

RECORD OF PROCEEDINGS  
OF THE  
BOARD OF TRUSTEES  
OF THE  
OHIO STATE UNIVERSITY

COLUMBUS

July 1, 1962 to June 30, 1963

## THE OHIO STATE UNIVERSITY

NOVICE G. FAWCETT, *President*

### BOARD OF TRUSTEES

	Term Beginning	Term Expiring
FORREST G. KETNER, <sup>1</sup> Columbus.....	June 26, 1956	May 13, 1963
THOMAS F. PATTON, Cleveland.....	May 14, 1957	May 13, 1964
SMITH L. RAIRDON, Toledo.....	May 14, 1958	May 13, 1965
ALAN B. LOOP, Toledo.....	July 23, 1959	May 13, 1966
JACOB E. DAVIS, Cincinnati.....	Feb. 6, 1961	May 13, 1967
STANLEY C. ALLYN, <sup>2</sup> Dayton.....	May 14, 1961	May 13, 1968
JOHN W. BRICKER, <sup>3</sup> Columbus.....	May 14, 1962	May 13, 1969
CARLTON S. DARGUSCH, <sup>4</sup> Columbus.....	May 14, 1963	May 13, 1970

<sup>1</sup> Served one previous term (1949-1956)

<sup>2</sup> Filled the unexpired term of Charles F. Kettering who died November 25, 1958 (January 8, 1959-May 13, 1961)

<sup>3</sup> Served two previous terms (1948-1962)

<sup>4</sup> Served three previous terms (1938-1959)

### OFFICERS

1962-1963

FORREST G. KETNER, *Chairman*  
THOMAS F. PATTON, *Vice Chairman*  
JOHN T. MOUNT, *Secretary*  
GORDON B. CARSON, *Treasurer*

THE OHIO STATE UNIVERSITY  
OFFICIAL PROCEEDINGS OF THE  
NINE HUNDRED AND SEVENTY-SECOND MEETING  
OF THE BOARD OF TRUSTEES

Columbus, Ohio, July 13, 1962

The Board of Trustees met at its regular monthly meeting on Friday, July 13, 1962, at The Ohio State University, Columbus, Ohio, pursuant to adjournment.

Present: Forrest G. Ketner, Chairman, Thomas F. Patton, Smith L. Rairdon, Alan B. Loop, Jacob E. Davis, Stanley C. Allyn and John W. Bricker.

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The minutes of the last meeting were approved.

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President Fawcett presented the following recommendations:

I. GENERAL RECOMMENDATIONS

A. Statement on Faculty Appointments, Promotions and Tenure

For more than a year a special committee of the faculty has been reviewing the statement on Academic Appointments, Promotions, and Tenure as approved by the Board of Trustees October 15, 1951. The revisions as proposed by the faculty committee were approved by the Administrative Council and forwarded to the Faculty Council for further consideration. On June 5, 1962 the Faculty Council approved a revised statement and it is therefore recommended that this statement on Faculty Appointments, Promotions and Tenure be adopted by the Board of Trustees and included in the minutes of this meeting. (See Appendix I, page 33.)

It is further recommended that the revised statement be effective upon passage by the Board of Trustees except that the new probationary periods for the ranks of Associate Professor, Assistant Professor, and Instructor shall apply to all persons appointed for the first time to one of these ranks on or after January 1, 1963; provided however that the present policies (i. e., those in effect prior to the approval of the new statement) will apply to appointments made on or after January 1, 1963, if (a) an offer to an individual for an appointment to become effective on or after January 1, 1963, has been made prior to the approval by the Board of Trustees of the new policy and (b) the Dean recommends that the prior policies be adhered to in the individual case.

Upon motion of Mr. Rairdon, seconded by Mr. Allyn, the above recommendation was unanimously approved by roll call vote, and the Secretary was instructed to include this revised statement in the handbook series entitled, Publications for Faculty Information.

B. Revision of Article IV, Section 1, of the By-Laws of the Board of Trustees and Rule 25.01 of Rules for the University Faculty

In accordance with authority as set forth in Article IX, Section 5, of the By-Laws of the Board of Trustees, the Faculty Council on June 5, 1962 recommended that Section I of Article IV of the Board of Trustees and Rule 25.01 of Rules for the University Faculty be amended to read as follows:

The University Faculty shall be constituted as follows: the President of the University; the members of the President's Cabinet; the Deans; the Associate Deans, Assistant Deans, and Secretaries of the Colleges and of the Graduate School; all persons with the faculty rank of Professor, Associate Professor, Assistant Professor, and Instructor (providing that persons holding the rank of Instructor have served the University on a Regular appointment in that rank for at least six quarters); all persons with the faculty rank of Professor Emeritus, Associate Professor Emeritus, and Assistant Professor Emeritus; the Director, Mershon Center for Education in National Security; the Director of Libraries; the Registrar; and the Director of Admissions.



I. GENERAL RECOMMENDATIONS (continued)

B. Revision of Article IV, Section 1, of the By-Laws of the Board of Trustees and Rule 25.01 of Rules for the University Faculty (continued)

It is therefore recommended that the revised definition of University Faculty membership as set forth above be approved.

Upon motion of Mr. Patton, seconded by Mr. Rairdon, the above recommendation was unanimously approved by roll call vote.

C. Degrees Conferred - August 1962 Commencement

It is recommended that degrees be conferred at the August 24, 1962 Commencement to those students who complete their requirements and are recommended by the Faculty Council for degrees on that date. The names of those awarded degrees will be included in the minutes of this meeting. (See Appendix II, page 44.)

Upon motion of Mr. Rairdon, seconded by Mr. Davis, the above recommendation was unanimously approved by roll call vote.

D. Retirement Date

A Board of Trustees' policy adopted on April 10, 1939 and amended on December 6, 1943 provides that officers and employees of the University who are members of the State Teachers Retirement System, must retire not later than August 31 next following the attainment of age 70, and those who are members of the Public Employees Retirement System must retire not later than June 30 next following the attainment of age 70.

Since these actions were taken, the State Teachers Retirement System has provided for retirement benefits to begin on dates which correspond with the June 30 and September 30 termination dates of University teaching contracts. It is therefore recommended that the Board policy relating to compulsory retirement be revised so that officers and employees of the University must retire not later than the end of the contract year in which the officer or employee reaches age 70.

Upon motion of Mr. Rairdon, seconded by Mr. Loop, the above recommendation was unanimously approved by roll call vote.

E. Honorary Degrees

The Faculty Council on June 5, 1962 recommended that the following persons be awarded honorary degrees at appropriate and acceptable dates:

Paul Clifford Kitchin, Doctor of Science  
Roger Tory Peterson, Doctor of Science  
Hazel Katherine Stiebling, Doctor of Science

It is therefore recommended that the Board of Trustees approve the Faculty Council's recommendation that the honorary degrees indicated be conferred

July 13, 1962 meeting, Board of Trustees

I. GENERAL RECOMMENDATIONS (continued)

E. Honorary Degrees (continued)

upon the above named persons at the December 1962 Commencement or at one of the Commencements of the year 1962-1963.

Upon motion of Mr. Patton, seconded by Mr. Allyn, the above recommendation was unanimously approved by roll call vote.

F. Distinguished Service Awards

The President's Cabinet which serves as the Committee on Distinguished Service Awards has nominated the following-named persons to receive the Distinguished Service Award at the August 24, 1962 Commencement:

George W. Eckelberry  
Ernest R. Godfrey  
William S. Guthrie  
Herschel W. Nisonger

Upon motion of Mr. Loop, seconded by Mr. Rairdon, the above recommendation was unanimously approved by roll call vote.

G. Honorary Degree

The Faculty Council approved by mail ballot the recommendation of the Committee on Honorary Degrees that Mr. Foy David Kohler be nominated for the honorary degree--Doctor of Humane Letters. The vote was conducted in accordance with Rule 29.15 of Rules for the University Faculty. It is therefore recommended that the Board of Trustees approve the Faculty Council's recommendation that the honorary degree indicated above be conferred upon Mr. Foy David Kohler at a Convocation convenient to Mr. Kohler.

Upon motion of Mr. Rairdon, seconded by Mr. Patton, the above recommendation was unanimously approved by roll call vote.

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II. PERSONNEL CHANGES

It is recommended that all personnel changes since the June 15, 1962 meeting of this Board, as recorded in the official "Salary Roll" of the University, be approved by the Board. These changes include the following Appointments, Leaves of Absence With Salary, Leaves of Absence Without Salary and Emeritus Title:

A. Appointments

Edward Q. Moulton, Associate Dean (part time - 48%)  
College of Arts and Sciences, at an annual salary of  
\$7,704.00, and Acting Chairman, Geodetic Science, at  
No Salary, effective July 1, 1962. (Dr. Moulton will  
continue as Associate Dean (part time - 52%), Graduate  
School, at an annual salary of \$8,268.00, and as Associate  
Professor, Civil Engineering, at No Salary.)

July 13, 1962 meeting, Board of Trustees

## II. PERSONNEL CHANGES (continued)

### A. Appointments (continued)

John D. Briggs, Professor, Zoology and Entomology, at an annual salary of \$12,168.00, effective October 1, 1962.

Walter C. Rothenbuhler, Professor, Zoology and Entomology, at an annual salary of \$10,968.00, effective September 1, 1962.

William M. Jones, Associate Professor, School of Art, at an annual salary of \$9,468.00, effective October 1, 1962.

### B. Leaves of Absence With Salary

In accordance with the policy approved by the Board of Trustees on April 12, 1954, the following-named persons are recommended for Leaves of Absence With Salary from the Agricultural Extension Service for the period indicated:

Samuel W. Bone, Instructor (Extension Agronomist), October 1, 1962 through December 15, 1962, to study at The Ohio State University.

George J. Garman, Instructor (County Extension Agent, 4-H) Ashtabula County, October 16, 1962 through February 15, 1963, to study at The Ohio State University.

Patsy Lee Glass, Instructor (County Extension Agent, Home Economics) Clermont County, September 1, 1962 through December 31, 1962, to study at Cornell University.

Charles H. Ingraham, Instructor (Extension Specialist, Livestock Marketing), October 1, 1962 through March 31, 1963, to study at The Ohio State University.

Marion E. Kroetz, Instructor (County Extension Agent, Agriculture) Hancock County, October 1, 1962 through December 15, 1962, to study at The Ohio State University.

William H. Mitchell, Jr., Instructor (County Extension Agent, Agriculture) Wyandot County, October 1, 1962 through March 15, 1963, to study at The Ohio State University.

Glenn R. Spieth, Instructor (County Extension Agent, 4-H) Williams County, September 16, 1962 through December 15, 1962, to study at Michigan State University.

Alga D. Weaver, Instructor (County Extension Agent, Home Economics) Tuscarawas County, September 1, 1962 through January 31, 1963, to study at the University of California, Los Angeles.

July 13, 1962 meeting, Board of Trustees

II. PERSONNEL CHANGES (continued)

C. Leaves of Absence Without Salary

Frank R. Strong, Dean, College of Law, February 1, 1963 through May 31, 1963, to teach at Cornell University.

Robert A. Oetjen, Associate Dean, College of Arts and Sciences and Professor, Physics, October 8, 1962 through June 30, 1963, to serve as Chief Scientist, National Science Foundation, Tokyo, Japan.

Christen T. Jonassen, Professor, Sociology and Anthropology, October 1, 1962 through September 30, 1963, to accept a Fulbright Grant to engage in research at the University of Oslo, Norway.

Carroll L. Shartle, Professor, Psychology, July 1, 1962 through June 30, 1963, to set up and supervise a new All-Services High Level Defense Department Research Organization, Washington, D. C.

Samuel C. Kelley, Associate Professor (part time - 25%), Economics, and Director, Labor Education and Research Service (part time - 75%), July 1, 1962 through June 30, 1963, to work on a research project for the Organization for European Economic Cooperation, Paris, France.

Geraldine G. Price, Associate Professor, School of Nursing, July 1, 1962 through July 21, 1962, to conduct a workshop at the University of Arkansas.

David E. Black, Assistant Professor, School of Art, January 1, 1963 through June 30, 1963, to accept a Fulbright Grant in Florence, Italy.

William L. Boyd, Assistant Professor, Microbiology, October 1, 1962 through December 31, 1962, to carry out an assignment with the Institute of Polar Studies.

Josephine B. Lord, Instructor, English, October 1, 1962 through September 30, 1963, because of ill health.

Jean MacVicar, Instructor, School of Nursing, July 1, 1962 through January 31, 1963, to continue her studies at Western Reserve University.

Julia Ann Shank, Instructor (County Extension Agent, Home Economics) Columbiana County, July 16, 1962 through June 15, 1963, to study at Pennsylvania State University.

July 13, 1962 meeting, Board of Trustees

## II. PERSONNEL CHANGES (continued)

### D. Emeritus Title

Chauncey D. Leake, Physiological Chemistry and Pharmacology, with the title Professor Emeritus, effective August 1, 1962.

Upon motion of Mr. Davis, seconded by Mr. Rairdon, the Appointments, Leaves of Absence With Salary, Leaves of Absence Without Salary, Emeritus Title and the personnel changes recorded in the official "Salary Roll" of the University were unanimously approved by roll call vote, and the Secretary was instructed to file these changes in the "Salary Roll" with the official documents of the University.

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## III. GENERAL CONTRACTS AND AGREEMENTS

### A. The Ohio State University and The Ohio State University Research Foundation

In accordance with the Memorandum of Agreement between The Ohio State University and The Ohio State University Research Foundation approved by this Board on September 5, 1950, it is recommended that the research agreements for the following projects administered through the Research Foundation be approved and recorded in the minutes of this meeting.

#### 1. Government Contracts - Federal

- a. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Diagnosis and Pathogenesis of Toxoplasmosis (to be known as National Institutes of Health Project No. 797 - Ext. #4 - Department of Veterinary Pathology).  
Gross Value - \$10,580.00.
- b. Headquarters, Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, for Fundamental Research on Physical Electronics at Millimeter Wavelengths (to be known as Aeronautical Systems Division Project No. 927 - Mod. #9 - Department of Electrical Engineering).  
Gross Value - \$15,000.00.
- c. Department of the Navy, Office of Naval Research, Washington 25, D. C., for Conducting a Course of Instruction in Navy Price Analysis (to be known as Office of Naval Research Project No. 1086 - Amend. #3 - Defense Management Center).  
Gross Value - \$30,000.00.
- d. Cleveland Ordnance District, 1367 East Sixth Street, Cleveland 14, Ohio, for an Investigation of Vaporization of Nitrides at Elevated Temperatures (to be known as Cleveland Ordnance District Project No. 1115 - Mod. #5 - Department of Chemistry).  
Gross Value - \$17,000.00.

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

- e. Cleveland Ordnance District, 1367 East Sixth Street, Cleveland 14, Ohio, for an Investigation of Mechanism of Oxide Formation in the Initial Stages of Oxidation (to be known as Cleveland Ordnance District Project No. 1126 - Mod. #2 - Department of Metallurgical Engineering).  
Gross Value - \$12,625.00.
- f. Cleveland Ordnance District, 1367 East Sixth Street, Cleveland 14, Ohio, for an Investigation of Nondestructive System for Inspection of Fiber-Glass Reinforced Plastic Missile Cases (to be known as Cleveland Ordnance District Project No. 1306 - Mod. #3 - Department of Welding Engineering).  
Gross Value - \$50,000.00.
- g. Commanding Officer, U. S. Army Research Office (Durham), Box CM, Duke Station, Durham, North Carolina, for an Investigation of 1685-M - Measure Theoretical Foundations of Surface Area Theory (to be known as U. S. Army Research Office (Durham) Project No. 1437 - Sup. #1 - Department of Mathematics).  
Gross Value - \$21,991.00.
- h. National Science Foundation, Washington 25, D. C., for an Investigation of Ice-contact Deposits at Terminus of Casement Glacier, Alaska (to be known as National Science Foundation Project No. 1469 - New - Institute of Polar Studies).  
Gross Value - \$10,800.00.
- i. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Postoperative Recovery Mechanisms and Retention (to be known as National Institutes of Health Project No. 1470 - New - Department of Psychology).  
Gross Value - \$14,764.00.
- j. Diamond Ordnance Fuze Laboratories, Ordnance Corps, Department of the Army, Washington 25, D. C., for an Investigation of Semiconductor Properties Affected by Acceleration (to be known as Ordnance Corps, Department of the Army Project No. 1471 - New - Department of Electrical Engineering).  
Gross Value - \$9,981.00.
- k. Headquarters, Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, for Technical Services to Provide Intermittent Research Analysis on Materials and Associated Problems (to be known as Aeronautical Systems Division Project No. 1473 - New - RF Internal Supervision).  
Gross Value - \$45,000.00.

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

- l. Commander, Electronic Systems Division, AFSC, Laurence G. Hanscom Field, Bedford, Massachusetts, for Research Directed Toward a Feasibility Study Dealing With the Integration of Gravity Data (to be known as Electronic Systems Division Project No. 1474 - New - Department of Geodetic Science).  
Gross Value - \$20,000.00.
- m. Deputy for Procurement, Air Force Missile Development Center, P. O. Box 393, Holloman Air Force Base, New Mexico, for Studies of the Hemodynamic Effects of Gravitational Forces on the Chimpanzee (to be known as Air Force Missile Development Center Project No. 1475 - New - Department of Medicine).  
Gross Value - \$19,192.00.
- n. Department of the Navy, U. S. Naval Training Device Center, Port Washington, New York, for an Investigation of Degree of Simulation Versus Pilot Performance (to be known as U. S. Naval Training Device Center Project No. 1479 - New - Department of Psychology).  
Gross Value - \$5,600.00.

TOTAL - Government Contracts - Federal \$282,533.00

2. Government Contracts - State

- a. State of Ohio, Bureau of Unemployment Compensation, 427 Cleveland Avenue, Columbus 16, Ohio, for Improvement of the Ohio Employment Security Program (to be known as Bureau of Unemployment Compensation Project No. 1472 - New - Department of Economics).  
Gross Value - \$52,000.00.
- b. State of Ohio, Department of Highways, Columbus 15, Ohio, for an Investigation of Aerotriangulation for Ohio Highway Department Surveys and Right-of-Way Acquisition (to be known as Department of Highways Project No. 1480 - New - Department of Geodetic Science).  
Gross Value - \$42,777.00.

TOTAL - Government Contracts - State \$94,777.00

3. Industrial and Other Contracts

- a. American Petroleum Institute, 1271 Avenue of the Americas, New York 20, New York, for Preparation of Hydrocarbons (to be known as American Petroleum Institute Project No. 31-A - 6th Ext. - Department of Chemistry).  
Gross Value - \$8,500.00.

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

3. Industrial and Other Contracts (continued)

- b. The Procter and Gamble Company, MA&R Building, Ivorydale, Cincinnati 17, Ohio, for an Investigation of Pathogenesis of Dental Caries (to be known as The Procter and Gamble Company Project No. 323 and 323-A - Ext. #20 - College of Dentistry). Gross Value - \$49,038.00.
- c. Charles F. Kettering Foundation, 40 South Clay Street, Hinsdale, Illinois, for an Investigation of Radiation Factor in Photosynthesis (to be known as Charles F. Kettering Foundation Project No. 373 - Ext. #16 - Department of Physics and Astronomy). Gross Value - \$27,000.00.
- d. Hercules Powder Co., Inc., Allegany Ballistics Laboratory, Cumberland, Maryland, for Research on Flames of Aluminum Powder with Various Oxidizing Gases (to be known as Hercules Powder Company Project No. 1135 - Amend. #3 - Department of Aeronautical Engineering). Gross Value - \$25,000.00.
- e. A. H. Robins Co., Inc., 1407 Cummings Drive, Richmond 20, Virginia, for an Investigation of Isolation of Active Constituents of Certain Plants with Reputed Medicinal Value (to be known as A. H. Robins Co., Inc. Project No. 1209 - Ext. #2 - College of Pharmacy). Gross Value - \$3,600.00.
- f. Rockefeller Foundation, 111 West 50th Street, New York 20, New York, for an Investigation of Activity Spectrum of a Cephalosporium in Retarding and Preventing Fusarium and Verticillium Wilt Symptoms (to be known as Rockefeller Foundation Project No. 1476 - New - Department of Botany and Plant Pathology). Gross Value - \$10,000.00.
- g. American Heart Association, Inc., 44 East 23rd Street, New York 10, New York, for an Investigation of the Influence of Curtailment of Blood Supply to the Adrenal on Its Hormone Production (to be known as American Heart Association, Inc. Project No. 1477 - New - Department of Physiology). Gross Value - \$18,260.00.
- h. Petroleum Research Fund, American Chemical Society, 1155 - 16th Street, N. W., Washington 6, D. C., for an Investigation of Clay-Organic Complexes (to be known as American Chemical Society Project No. 1478 - New - Department of Mineralogy). Gross Value - \$7,920.00.

TOTAL - Industrial and Other Contracts \$149,318.00



III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

3. Industrial and Other Contracts (continued)

The foregoing twenty-four contracts for research in cooperation with Government, Industry and Other represent a gross income of \$526,628.00.

Upon motion of Mr. Patton, seconded by Mr. Davis, the research agreements between The Ohio State University and The Ohio State University Research Foundation for the above contracts were unanimously approved.

B. The Report of the Research Contracts  
from the Engineering Experiment Station

During the period from June 1, 1962 through June 29, 1962, the Engineering Experiment Station of The Ohio State University entered into the following research contracts. These research contracts are reported to the Board of Trustees for information and record.

1. Government Research Contract

EES 200	Development of a Nuclear Device for Moisture and
Ext. #2	Density Measurements on Soils and Base Course
	Materials, Ohio Department of Highways, Columbus,
	Ohio, Bureau of Public Roads, Department of
	Commerce, Washington, D. C.
	Gross Value - \$12,000.00.

2. Industrial Research Contracts

EES 199	The Dynamic Elastic Properties and Inelastic Response
Ext. #1	of Asphaltic Concrete, National Bituminous Concrete
	Association, Washington, D. C., The Ohio State Uni-
	versity Development Fund.
	Gross Value - \$1,500.00.
EES 214	Pore Inclusion in Extruded Clay, The Massillon
	Refractories Company, Massillon, Ohio.
	Gross Value - \$2,040.00.
EES 215	The Degradability of Selected Detergent Products in
	Domestic Waste Waters by Full Scale Aerobic Digestion,
	The Procter and Gamble Company, Cincinnati, Ohio.
	Gross Value - \$9,010.00.

TOTAL - Industrial Research Contracts \$12,550.00

The foregoing four contracts for research in the Engineering Experiment Station represent a gross income of \$24,550.00.

### III. GENERAL CONTRACTS AND AGREEMENTS (continued)

#### C. Agreement to Purchase Property--2298 North Star Road (Warner Property)

To protect the future research interests of the University an agreement has been negotiated between the Board of Trustees of The Ohio State University as Buyer and John S. Warner, William Arthur Miller and Patricia Ann Miller, as Sellers, for the acquisition of the property located in the Township of Clinton, County of Franklin and State of Ohio, and more particularly described as follows:

Being 10 acres, more or less, known by street number as 2298 North Star Road, bearing Auditor's Parcel No. 291 and more fully described by metes and bounds in the Certificate of Transfer, of record in Deed Book 1100, page 223, Recorder's Office, Franklin County, Ohio.

Upon recommendation of the President's Cabinet, said agreement was negotiated on June 27, 1962 in the amount of \$205,000.00 subject to the approval of the Board of Trustees.

It is therefore recommended that the Board of Trustees approve and ratify the above agreement to purchase said land and hereby authorizes Gordon B. Carson, Vice President, Business and Finance, to proceed accordingly. Funds are available in University Treasurer Subaccount (f).

Upon motion of Mr. Loop, seconded by Mr. Allyn, the above recommendation was unanimously approved by roll call vote.

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### IV. GRANTS AND GIFTS

The following grants and gifts to the University are hereby reported for the record, and appropriate expression of appreciation has been conveyed:

#### A. Administered Through the Office of Business and Finance

1. \$38,741.00 granted by the National Science Foundation to the University for "Institutional Grants for Science, 1962." (Grant NSF-G24802)

#### B. Administered Through the Development Fund

1. \$35,000.00 from the Wyeth Laboratories to the College of Medicine. The grant is to be used as recommended and approved by the Dean of the College of Medicine for the development and advancement of medical education and teaching, utilizing television, radio, kinescope and video tape recorders to the greatest extent feasible.
2. \$10,000.00 from the Avalon Foundation to the College of Medicine for support of medical student scholarships.
3. \$6,058.50 from the American Dental Association to establish a Dental Student Loan Fund.

IV. GRANTS AND GIFTS (continued)

B. Administered Through the Development Fund (continued)

4. \$3,700.00 from The Dow Chemical Company--\$2,500.00 for the Department of Chemical Engineering and \$1,200.00 for the Department of Chemistry.
5. \$3,600.00 from American Zinc Institute, Inc. for a fellowship in Ceramic Engineering.
6. \$3,600.00 from Esso Research and Engineering Company for support of graduate student summer fellowships in the Department of Chemistry.
7. \$3,500.00 from the Bremer Foundation for support of medical research in the College of Medicine.
8. \$3,000.00 from The Upjohn Company to the College of Pharmacy for a study of intestinal drug transfer.
9. \$2,500.00 from the National Association of Purchasing Agents, Inc. for a fellowship in Business Organization.
10. \$9,000.00 for the Elizabeth and Ernie Godfrey Scholarship Fund.

Elizabeth and Ernie Godfrey Scholarship Fund

The Elizabeth and Ernie Godfrey Scholarship Fund was established June 13, 1962, by gifts through the Development Fund from many friends, in honor of Elizabeth and Ernest R. Godfrey (BA '15), on the occasion of Mr. Godfrey's retirement. The principal is to be invested in accordance with Sec. 3335, 12 G.C., the income to be used for scholarships to students at The Ohio State University.

In the event the need for such scholarships should cease to exist or so diminish as to create unused income, then the Board of Trustees of the University may use said income in its discretion, preference to be given, however, to some form of student aid.

11. \$2,100.00 for the Harry Walter Vanneman Memorial Fund.

Harry Walter Vanneman Memorial Fund

The Harry Walter Vanneman Memorial Fund was established June 18, 1962, through the Development Fund, by a bequest from the will of Mrs. Harry W. Vanneman and by supplemental gifts from former students of Professor Vanneman.

The principal and any additional contributions shall be kept as a permanent fund to be invested under rules and regulations adopted by the Board of Trustees of The Ohio State University, with right to invest and reinvest as occasion dictates.

IV. GRANTS AND GIFTS (continued)

B. Administered Through the Development Fund (continued)

11. \$2,100.00 for the Harry Walter Vanneman Memorial Fund (continued)

Harry Walter Vanneman Memorial Fund (continued)

In her will, Mrs. Vanneman made provision for a bequest of \$25,000.00 to the College of Law in memory of her husband, the income from this endowment to be available for the financial assistance of deserving students of the College of Law. Former students, desiring to participate in this fitting memorialization of a beloved and respected law teacher, immediately acted to augment Mrs. Vanneman's magnificent bequest.

In the event the income is not needed for the specified purpose, or the College of Law as it now exists is altered in any reorganization of the University, then the income shall be used as directed by the Dean of the College of Law, or in the absence of such an administrative official, by the Board of Trustees in its discretion, preference to be given however to items in the field of Law.

12. Establishment of the Robert N. Watman Memorial Fund.

Robert N. Watman Memorial Fund

The Robert N. Watman Memorial Fund was established July 5, 1962, by a gift through the Development Fund from Alpha Omega Alpha, Honorary Medical Society, in memory of Robert N. Watman.

The principal is to be invested under rules and regulations adopted by the Board of Trustees of The Ohio State University, with right to invest and reinvest as occasion dictates.

The income is to be used for an annual scholastic achievement award as approved by the Dean of the College of Medicine. Recommendations for these awards may be made by Alpha Omega Alpha.

In the event the need for such awards ceases to exist or so diminish as to create unused income, then the use of the income shall be determined by the Board of Trustees of the University, upon the recommendation of the Dean of the College of Medicine, this use to be restricted, however, to an item or items in the field of medicine. (A gift in the amount of \$4,362.51 for this Fund was reported at the June 15, 1962 meeting.)

TOTAL - Through the Development Fund \$82,058.50

Upon motion of Mr. Rairdon, seconded by Mr. Davis, the above report of grants and gifts was accepted, and the Secretary was instructed to include the report in the minutes of this meeting.

July 13, 1962 meeting, Board of Trustees

IV. GRANTS AND GIFTS (continued)

C. Report from The Ohio State University Development Fund

In May and June, 1962, The Ohio State University Development Fund received gifts on behalf of the University as follows:

1. May, 1962

	<u>Number of Gifts</u>	<u>Amount</u>
Alumni	2,536	\$ 84,063.95
Individuals, Other Than Alumni	72	3,162.50
Non-Profit Organizations	36	37,150.40
Business Concerns	32	44,249.85
	<u>2,676</u>	<u>\$168,626.70</u>

Of these gifts, 2,301 totaling \$14,795.00 were undesignated and 375 totaling \$153,831.70 were designated.

2. June, 1962

	<u>Number of Gifts</u>	<u>Amount</u>
Alumni	1,511	\$ 23,639.45
Individuals, Other Than Alumni	153	5,781.09
Non-Profit Organizations	38	59,089.24
Business Concerns	47	74,167.00
	<u>1,749</u>	<u>\$162,676.78</u>

Of these gifts, 1,147 totaling \$12,913.45 were undesignated and 602 totaling \$149,763.33 were designated.

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V. APPROPRIATIONS AND TRANSFER OF FUNDS

- A: The President reported that, in accordance with the policy previously adopted by the Board, the following balances were closed by transfer to Account 19999, University Treasurer General Fund, in order to facilitate closing of the books on June 30, 1962.

Administrative expenses, costs of heat, light and power, and other over-head expenses on Research and Training Grants of the National Science Foundation, the U. S. Department of Health, Education and Welfare, other Federal Agencies, and corporation gifts for general University purposes for the fiscal year 1961-62.

National Science Foundation

41003	Oetjen & Bell - Physics and Astronomy	\$ 1,851.46
41004	Wickens - Psychology	1,528.56
41005	Daunt - Physics and Astronomy	4,497.16
41006	Nielsen - Physics and Astronomy	881.24
41007	Keenan - Physics and Astronomy	100.77
41009	Heer - Physics and Astronomy	216.49

July 13, 1962 meeting, Board of Trustees

V. APPROPRIATIONS AND TRANSFER OF FUNDS (continued)

A. (continued)

National Science Foundation (continued)

41010	Cava - Chemistry	\$ 1,499.76
41011	Sapirstein - Physiology	705.36
41012	Shaw - Physics and Astronomy	1,529.46
41013	Gander - Agricultural Biochemistry	535.02
41015	Hartman - Physiology	1,106.43
41018	Richardson - Education	4,347.68
41019	Parks - Pharmacy	176.80
41021	Riley - Physics and Astronomy	244.93
41022	Weiss - Geology	39.22
41023	Sweet - Geology	18.00
41024	Fisher - Mathematics	2,433.09
41025	Richardson - Education	2,586.08
41026	Heiskanen - Geodetic Science	80.05
41027	Yarrington - Engineering	742.54
41028	Sutton - Agriculture and Home Economics	530.77
41030	Gray - Civil Engineering	60.86
41031	Richardson - Education	4,484.60
41032	Deatherage - Agricultural Biochemistry	1,836.47
41033	Riley - Physics and Astronomy	437.13
41034	Parks - Pharmacy	886.55
41035	Smith - Electrical Engineering	249.83
41038	Richardson - Education	53.58
	Total National Science Foundation	<u>\$ 33,659.89</u>

U. S. Department of Health, Education and Welfare

42001	National Institutes of Health - VonHaam	\$ 815.55
42002	National Institutes of Health - VonHaam	1,381.26
42003	National Institutes of Health - Wilson	364.07
42005	National Institutes of Health - Newton	597.14
42010	National Institutes of Health - Scodel	1,253.23
42011	National Institutes of Health - Patterson	2,535.77
42012	National Institutes of Health - Ogden	2,060.53
42014	National Institutes of Health - Prince	682.69
42016	National Institutes of Health - Rothermich	1,798.85
42018	National Institutes of Health - Hamwi	2,108.15
42019	National Institutes of Health - Meyer	223.80
42020	Office of Vocational Rehabilitation - Black	691.37
42021	Office of Vocational Rehabilitation - Burk	729.04
42026	National Institutes of Health - Havener	1,289.70
42027	Office of Education - Peters	383.54
42028	National Institutes of Health - VonHaam	336.00
42031	National Institutes of Health - Meiling	364.80
42033	National Institutes of Health - Wilson	396.16
42035	National Institutes of Health - Meiling	297.60
	Total U. S. Department of Health, Education and Welfare	<u>\$ 18,309.25</u>

July 13, 1962 meeting, Board of Trustees

V. APPROPRIATIONS AND TRANSFER OF FUNDS (continued)

A. (continued)

Other Federal Agencies

43003	I. C. A. Service Charge - India	\$ 816.00
43005	I. C. A. Secondary Education - India	5,591.75
43007	A. E. C. - Richardson	3,919.56
43011	I. C. A. Agriculture - India	15,587.18
43013	Veterans' Administration \$1.00	30,000.00
43016	Federal Aviation Agency - Moser	3,167.88
43017	Veterans' Administration 10%	189.04
43020	Peace Corps	4,952.39
	Total Other Federal Agencies	<u>\$ 64,223.80</u>

Miscellaneous

31037	Continental Casualty Co.	\$ 12,595.25
86281	University Bookstore	125,000.00
	Total Miscellaneous	<u>\$137,595.25</u>

Grand Total	<u>\$253,788.19</u>
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Upon motion of Mr. Allyn, seconded by Mr. Bricker, the Board of Trustees by roll call vote unanimously approved the transfer of the above amounts to Account 19999, University Treasurer General Account.

B. Annual Membership Fee for 1962-63--Committee on Institutional Cooperation

The member institutions of the Big Ten and the University of Chicago have joined in the formation of an agency identified as the Committee on Institutional Cooperation. In accordance with an agreement reached by the Council of Presidents of the member institutions, it is recommended that an amount of \$7,000.00 be appropriated from the University Treasurer General Fund for payment of the 1962-63 annual membership fee to the Committee on Institutional Cooperation.

Upon motion of Mr. Allyn, seconded by Mr. Rairdon, the above appropriation was unanimously approved by roll call vote.

C. The Ohio State University Press

Upon the request of the Dean of the Graduate School and the Editorial Board for the University Press, it is recommended that an amount not to exceed \$30,000.00 be allocated from the University Treasurer General Fund to Rotary 18865, The Ohio State University Press, for the fiscal year beginning July 1, 1962.

Upon motion of Mr. Patton, seconded by Mr. Rairdon, the foregoing recommendation for appropriation of funds was approved by unanimous roll call vote.

V. APPROPRIATIONS AND TRANSFER OF FUNDS (continued)

D. Conference on the Humanities

Upon the request of the Dean of the Graduate School and with the concurrence of the Vice President, Instruction and Research, it is recommended that an amount not to exceed \$2,500.00 be appropriated from the University Treasurer General Fund to Rotary 19606 for the Fifth Annual Conference on the Humanities to be held on the campus April 5 and 6, 1963.

Upon motion of Mr. Allyn, seconded by Mr. Loop, the above appropriation was unanimously approved by roll call vote.

E. Appropriation to Provide Funds for Extra Orders on Capital Improvement Projects

On May 18, 1962 the Board of Trustees approved the sum of \$30,000.00 from Subaccount (f) in the University Treasurer Research Account to provide a fund which may be used for extra orders and architect's fees on projects under construction.

This account has now been exhausted and it is estimated that an additional amount of \$15,000.00 will be required to complete these buildings. It is therefore recommended that the Board of Trustees allocate \$15,000.00 from Subaccount (f) in the University Treasurer Research Account for such extra orders as may be necessary.

Upon motion of Mr. Davis, seconded by Mr. Patton, the above recommendation for allocation of funds was unanimously approved by roll call vote.

F. Remodeling Projects

At the request of the Vice President, Business and Finance, and with the concurrence of the President's Cabinet, it is recommended that an amount not to exceed \$60,000.00 be appropriated from Subaccount (f) of the University Treasurer Research Account for small remodeling projects which are approved by the President and for which no State-appropriated funds are available.

Upon motion of Mr. Rairdon, seconded by Mr. Loop, the above recommendation for appropriation of funds was unanimously approved by roll call vote.

G. Completion of Van de Graaff Building

At the request of the Vice President, Business and Finance, and with the concurrence of the Cabinet, it is recommended that an amount not to exceed \$45,000.00 be appropriated from the University Treasurer Research Subaccount (f) to provide funds to complete the Van de Graaff Building.

Upon motion of Mr. Bricker, seconded by Mr. Allyn, the above recommendation for appropriation of funds was unanimously approved by roll call vote.



V. APPROPRIATIONS AND TRANSFER OF FUNDS (continued)

H. Extension of Runway, University Airport

At the request of the Vice President, Business and Finance, and with the concurrence of the Cabinet, it is recommended that an amount not to exceed \$50,000.00 be appropriated from the University Treasurer General Fund to provide funds for the extension of the 3,000 ft. runway to 3,600 ft., approximately.

Upon motion of Mr. Patton, seconded by Mr. Rairdon, the above recommendation for appropriation of funds was unanimously approved by roll call vote.

I. Construction of Aircraft Hangar, University Airport

At the request of the Vice President, Business and Finance, and with the concurrence of the Cabinet, it is recommended that an amount not to exceed \$250,000.00 be advanced from the University Treasurer General Fund for the construction of a large aircraft hangar, to be amortized over a period of not to exceed 25 years, at 4 per cent interest, the repayments to be returned to the University Treasurer General Fund.

Upon motion of Mr. Allyn, seconded by Mr. Loop, the above recommendation for appropriation of funds was unanimously approved by roll call vote.

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VI. EXTRA ORDER TO CONTRACT

At the request of the Council on Business Affairs, and with the concurrence of the Cabinet, it is recommended that the Extra Order to Contract as outlined below be approved by the Board of Trustees and submitted to the Director of Finance, State of Ohio, for approval and allocation of funds as indicated.

A. Dormitory "F" for Women (Morrison Tower)

General Contract

It is recommended that the following changes be made:

1. Provide a concrete block enclosure around pipes in corner of Room 250 with glazed base and painting as specified for similar work. Add \$116.00.
2. Provide 3/4" birch plywood enclosure around pipes in Room 251, applied over stud framing, with moldings at corners and walls and finished to match wardrobes. Add \$175.00.

Total addition    \$291.00

Funds will be provided from Dormitory Construction Funds.

Upon motion of Mr. Patton, seconded by Mr. Rairdon, the above recommendation was unanimously approved by roll call vote.

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VII. PLANS AND SPECIFICATIONS

With the approval of the Council on Business Affairs, and with the concurrence of the Cabinet, it is recommended that the plans and specifications, bills of materials and estimates of cost for the following projects be approved by the Board of Trustees:

A. Repair and Resurface Sidewalks on Campus

Funds will be provided for this project from Maintenance Account 200, H.B. 1123.

B. Repair and Replace Piping for Filters in Pomerene Hall

Funds for this project will be provided from Maintenance Account 200, H.B. 1123.

C. Repair and Replace Roof on University Hospital

Funds for this project will be provided from University Hospital Rotary Account.

D. Interior Painting and Patch Plastering of Horticulture and Forestry Greenhouses, Physics Building, Test Laboratory and Research Center (Two Story Part)

Funds for this project will be provided from Maintenance Account 200, H.B. 1123, and Subaccount (f) in the University Treasurer Research Account.

E. Exterior Painting of Twenty-Four Buildings

Funds for this project will be provided from Maintenance Account 200, H.B. 1123.

F. Wall Washing Seven Buildings

Funds for this project will be provided from Maintenance Account 200, H.B. 1123, Laundry Rotary and Subaccount (f) in the University Treasurer Research Account.

G. Repair by Replacement of Three Inch Condensate Return Line in Baker Hall Tunnel

Funds for this project will be provided from Maintenance Account 200, H.B. 1123.

H. Interior Painting of Ice Rink

Funds for this project will be provided from Student Facilities Fees Account.

I. Repairs in Industrial Engineering Building

Funds for this project will be provided from Maintenance Account 200, H.B. 1123.

VII. PLANS AND SPECIFICATIONS (continued)

J. Repairing and Refinishing Exterior Walls, Robinson Laboratory

Funds for this project will be provided from Account 19613, H. B. 390.

K. Repairs to Ohio Union West Terrace

Funds for this project will be provided from Student Facilities Fees Account.

L. Airport Runway

This project will be designed and built in accordance with the Campus Master Plan and funds will be provided from the University Treasurer General Fund.

M. Hangar

This project will be designed and built in accordance with the Campus Master Plan and funds will be provided by a loan from the University Treasurer General Fund.

Upon motion of Mr. Rairdon, seconded by Mr. Bricker, the above recommendation was unanimously approved by roll call vote, and the Secretary was authorized and directed to sign the plans and specifications for the above projects for and on behalf of the Board of Trustees. Vice President Carson was directed to proceed with a request for bids in the normal University manner and if satisfactory bids are received, to proceed with the award of contracts. All action regarding this matter shall be reported to the Board of Trustees at a later meeting.

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VIII. REPORT OF AWARD OF CONTRACTS

In accordance with authorization provided by the Board of Trustees, the contracts for the following projects have been recommended for award and the action is hereby reported to the Board:

A. Repairs in Derby Hall South Basement, Bookstore Area

Bids were received on June 14, 1962 and the award of contracts recommended to the lowest and best bidders as follows:

	<u>Low Bid</u>	<u>Est. of Cost</u>
<u>General Contract</u>		
(5 bids received)		
Waller & Lund, Inc. (Columbus, Ohio)	\$10,375.00	\$14,000.00
<u>Heating and Air Conditioning Contract</u>		
(6 bids received)		
Capitol Refrigeration Industries Co. (Columbus, Ohio)	4,780.00	5,500.00

VIII. REPORT OF AWARD OF CONTRACTS (continued)

A. Repairs in Derby Hall South Basement, Bookstore Area (continued)

	<u>Low Bid</u>	<u>Est. of Cost</u>
<u>Electrical Contract</u> (5 bids received)		
Howson Electric Co. (Columbus, Ohio)	\$ 6,217.00	\$ 5,500.00
Total all contracts	<u>\$21,372.00</u>	<u>\$25,000.00</u>

Funds for this project will be provided from the Bookstore Rotary.

B. Repairs to Concrete Curbs on the Streets on Campus

Bids were received on June 15, 1962 and the award of contract was recommended to the lowest and best bidder as follows:

	<u>Low Bid</u>	<u>Est. of Cost</u>
(3 bids received)		
Coady Company, Inc. (Columbus, Ohio)	\$ 8,125.00	\$ 8,375.00

Funds for this project will be provided from Maintenance Account 200, H.B. 1123.

C. Repairs in Hughes Hall, Room 8

Bids were received on June 26, 1962 and the award of contracts recommended to the lowest and best bidders as follows:

	<u>Low Bid</u>	<u>Est. of Cost</u>
<u>General Contract</u> (6 bids received)		
Pendleton Construction Co. (Columbus, Ohio)		
Base Bid	\$ 1,933.00	\$ 3,100.00
Alt. G-1 Remodel Steel Lockers	1,571.00	1,870.00
Substitution (Funds required in addition to those provided in Alt. G-1 to provide new lockers in lieu of remodeling existing lockers)	519.00	
Total general contract	<u>\$ 4,023.00</u>	<u>\$ 4,970.00</u>
<u>Electrical Contract</u> (5 bids received)		
Pendleton Construction Co. (Columbus, Ohio)		
Base Bid	\$ 1,290.00	\$ 4,762.00
Total contracts	<u>\$ 5,313.00</u>	<u>\$ 9,732.00</u>

Funds are provided in Account 19613 and the School of Music Equipment Account for this project.

July 13, 1962 meeting, Board of Trustees

VIII. REPORT OF AWARD OF CONTRACTS (continued)

D. Ohio Stadium - Portable Bleachers - South Stand

Bids were received on June 11, 1962 for this project and the award of contract recommended to the lowest and best bidders as follows:

	<u>Low Bid</u>	<u>Est. of Cost</u>
(3 bids received)		
G. E. Maier Company (Cincinnati, Ohio)	\$35,381.00	\$45,000.00

To provide funds for this project, it is recommended that an expenditure in the amount of \$35,381.00 from the excess of revenues over expenditures in the Athletic Revenue Account for the fiscal year 1961-62 be and hereby is approved.

E. Repairing and Refinishing Exterior Walls, Robinson Laboratory

Bids were received on July 3, 1962 for this project and the award of contract recommended to the lowest and best bidder as follows:

	<u>Low Bid</u>	<u>Est. of Cost</u>
(2 bids received)		
General Maintenance and Engineering Co. (Columbus, Ohio)	\$ 8,164.00	\$ 9,000.00

Funds for this project will be provided from Account 19613, H.B. 390.

F. Perkins Observatory New Road and Site Improvement

Bids were received on June 8, 1962 for this project and the award of contract recommended to the lowest and best bidder as follows:

	<u>Low Bid</u>	<u>Est. of Cost</u>
(3 bids received)		
C. G. Jackson, Inc. (Columbus, Ohio)	\$44,000.00	\$29,416.00

Funds for this project are provided in Subaccount (f) of the University Treasurer Research Account.

G. Grading and Paving at Golf Course

Bids were received on July 6, 1962 for this project and the award of contract recommended to the lowest and best bidder as follows:

	<u>Low Bid</u>	<u>Est. of Cost</u>
(4 bids received)		
Sheedy Paving, Inc. (Columbus, Ohio)	\$ 5,198.20	\$ 7,760.00

Funds will be provided by the Athletic Department.

Upon motion of Mr. Allyn, seconded by Mr. Loop, the above award of contracts and expenditure of funds were approved and the action of the Vice President, Business and Finance, ratified by unanimous roll call vote.

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IX. CONTROLLING BOARD AND EMERGENCY BOARD APPROVALS

Each numbered approval shown below accomplishes the following purposes:

A. Controlling Board Approvals

- 191 Approves the transfer of \$1,837.50 from Rotary 601 to Account 703 Construction of North Wing University Hospital, H.B. 390.
- 192 Authorizes the payment of \$1,837.50 over and above the amount set forth in the architectural contract for Construction of North Wing at University Hospital.
- 225 Approves the transfer of \$538.38 from Rotary 601 to Account 704 Remodel Robinson Laboratory, H.B. 390, to provide funds for architectural and engineering fees on extra orders for this project.
- 226 Approves the transfer of \$44.03 from Rotary 601 to Account 724 Additional Library Stacks, H.B. 390, to provide funds for final adjustment on the State Architect's fee for this project.
- 227 Approves the transfer of \$87.63 from Rotary 601 to Account 715 Administration Building, H.B. 390, to provide funds for final adjustment on the State Architect's fee for this project.
- 228 Approves the transfer of \$34.93 from Rotary 601 to Account 725 McPherson Laboratory to provide funds for final adjustment on the State Architect's fee for this project.
- 229 Approves the transfer of \$7.26 from Rotary 601 to Account 726 Low Level Radiation Laboratory, H.B. 390, to provide funds for final adjustment on the engineering fee for this project.
- 232 Approves 10-day advertising for the project "Repairing and Refinishing Exterior Walls, Robinson Laboratory."
- 233 Approves the transfer of the following balances in accounts to Rotary 601 to close accounts in H.B. 390 at the end of the fiscal year: \$700.51 in Account 702 Veterinary Clinic Building, Remodel Room 16; \$953.72 in Account 703 Repair to Stadium Dorms, Phase V; \$92.88 in Account 705 Ice Rink; \$49.68 in Account 707 Derby Hall University Bookstore; \$108.61 in Account 709 Scholarship Dormitories, Phase VI; \$11.18 in Account 711 Aviation Psychology Laboratory Remodeling.
- 234 Approves the transfer of the following balances in accounts to Rotary 601 to close accounts in H.B. 390 at the end of the fiscal year: \$1,285.12 in Account 713 Infectious Diseases Laboratory; \$460.22 in Account 714 Research Space East Side of Stadium.
- 1 Approves the expenditure of \$8,125.00 from Maintenance Account 200, H.B. 1123, to provide funds for the contract for "Repair to Concrete Curbs on the Streets on Campus."
- 6 Approves 10-day advertising for the project "Industrial Engineering Building Repairs."

IX. CONTROLLING BOARD AND EMERGENCY BOARD APPROVALS (continued)

B. Emergency Board Approvals

- 6 Appropriates \$44,300.00 from emergency funds for real estate purchases in connection with the construction of the North Dormitory Project.
- 7 Appropriates \$25,000.00 from emergency funds for the purchase of property located at 2106 Neil Avenue.
- 8 Appropriates \$40,000.00 from emergency funds for the purchase of property located at 229 West Eleventh Avenue.
- 9 Return of \$4,057.22 to the Emergency Board, which sum represents the unused allocation appropriated for the restoration of the Sheep Barn.

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X. MISCELLANEOUS FROM OFFICE OF BUSINESS AND FINANCE

A. Demolition of University Buildings

Upon the recommendation of the Vice President, Business and Finance, and with the concurrence of the Cabinet, it is recommended that all structures located at the following addresses be demolished as soon as practical:

551 Hess Road  
569 Hess Road  
583 Hess Road  
599 Hess Road  
611 Hess Road  
229 West 11th Avenue

All demolition of these buildings will be accomplished in the usual manner.

Upon motion of Mr. Bricker, seconded by Mr. Rairdon, the above recommendation was unanimously approved by roll call vote.

B. Parking Facilities Feasibility Consultants

It is recommended that the Vice President, Business and Finance, be authorized to proceed to employ Wilbur Smith & Associates, New Haven, Connecticut, for a parking facilities feasibility study to be accomplished during the ensuing six months.

The fee for this service will be negotiated in an amount not to exceed \$22,500.00 and funds will be provided from Account 86287, Parking Facilities.

Upon motion of Mr. Bricker, seconded by Mr. Rairdon, the above recommendation was unanimously approved by roll call vote.

X. MISCELLANEOUS FROM OFFICE OF BUSINESS AND FINANCE (continued)

C. Special Police Commission

At the request of the Vice President, Business and Finance, it is recommended that James Richard Hankison be designated as Special Policeman pursuant to the provisions of Section 3345.04 of the Revised Code of Ohio; and that in further compliance with the provisions of said section the Board of Trustees require Mr. Hankison, as well as any other employee of this institution designated as Special Policeman, to take the oath of office and give bond to the State of Ohio in an amount no less than One Thousand Dollars (\$1,000.00) prior to assuming the duties of Special Policeman.

Upon motion of Mr. Loop, seconded by Mr. Davis, the above recommendation was unanimously approved by roll call vote.

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XI. RESOLUTIONS IN MEMORIAM

President Fawcett reported to the Board the death of Grace M. Bareis, Assistant Professor Emeritus of Mathematics, H. Gordon Hullfish, Professor of Education, L. Edwin Smart, Professor of Economics, and Harold Zink, Professor of Political Science, and in accordance with instructions of the Board of Trustees, copies of the following resolutions expressing on behalf of the University the sorrow and sympathy of the Board have been furnished to the families or friends of the deceased.

A. Grace M. Bareis

The Board of Trustees expresses its sorrow at the death on June 15, 1962 of Grace M. Bareis, Assistant Professor Emeritus of Mathematics.

Professor Bareis dedicated her life to the profession of teaching. She received her A.B. degree from Heidelberg College (Ohio) in 1897 and had been a member of its Board of Trustees since 1934. After attending Bryn Mawr College, she taught at Miss Roney's School in Bala, Pennsylvania. Coming to The Ohio State University as a fellow in 1906, she earned her Ph.D. in 1909. She remained here as a teacher for nearly forty years until her retirement in 1947.

On behalf of the entire University, the Board of Trustees expresses its deep sympathy. It is directed that this resolution be inscribed upon the minutes of the Board of Trustees.

B. H. Gordon Hullfish

The Board of Trustees expresses its sorrow at the death of H. Gordon Hullfish, Professor of Education, on June 15, 1962.

Dr. Hullfish was born in Washington, D. C., January 3, 1894. He received the A.B. degree from the University of Illinois in 1921, and came to The Ohio State University as University Scholar in Education the following year. He received the M.A. degree in 1922 and was appointed to the faculty as instructor in that year. He received the Ph.D. degree in 1924 and advanced through the ranks to become professor in 1933. In 1960 he was one of the first five recipients of the \$1,000 Alumni Award for Distinguished Teaching.



XI. RESOLUTIONS IN MEMORIAM (continued)

B. H. Gordon Hullfish (continued)

Throughout his professional career Dr. Hullfish was in great demand as a lecturer and summer school teacher. He served as a Fulbright lecturer in the history and principles of American education at the Tokyo University of Liberal Arts and Ochanomizu Women's University in Japan and Korea. Dr. Hullfish also taught for short periods at Harvard, Hawaii, California, Illinois, Tennessee, and Auburn Universities and at the City College of New York. He was a lecturer at the 1936 Pan-Pacific Conference of the New Educational Fellowship at Honolulu and served in a similar capacity at many other institutions and conferences.

Dr. Hullfish held numerous offices in national and community organizations. In 1948, he was president of the Philosophy of Education Society; in 1951 he was president of the Ohio Valley Philosophy of Education Society; and from 1952 to 1955 he was president of the Progressive Education Association. Dr. Hullfish was a member of the first executive board of the John Dewey Society; he was later vice president of the society (1951-52), executive secretary and treasurer (1955-58), president (1958-61), and was chairman of the Commission on Forces Affecting American Education, a major committee of one of the affiliates of the National Education Association. He was a past member of the Board of Education of Upper Arlington, Ohio.

Dr. Hullfish was a prolific author and editor. He was joint author of several books, including The Educational Frontier, Democracy in Transition, The Community School, Educational Freedom and Democracy, and Democracy in the Administration of Higher Education. In 1960 and 1961, six lectures which Dr. Hullfish had delivered in Japan were published in Japanese and in English as a book, Toward a Democratic Education. Two of Dr. Hullfish's books received special commendation. In 1953, Educational Freedom in an Age of Anxiety, of which he was editor and a major contributor, was selected by the Enoch Pratt Free Library of Baltimore as one of the outstanding education books of the year. His last book, Reflective Thinking: The Method of Education, of which he was senior author, was given the same recognition by the Pratt Library in 1961.

Over a period of nearly forty years, Dr. Hullfish contributed several dozen articles to many educational journals and learned works. He was often called upon to assist as editor or editorial consultant for these publications. For many years, he was a member of the board of editors of Educational Administration and Supervision. From 1955 to 1957, he edited a monthly column in Educational Leadership, dealing with forces affecting education as an institution. In 1957-60, he was a member of the editorial advisory board of the Education Digest. At the time of his death, Dr. Hullfish was on the editorial board of Educational Theory. More than twenty-five years ago, he served on the board of directors of the journal, The Social Frontier. In recent years, he was a consultant and contributor to Compton's Pictured Encyclopedia. He also edited the significant posthumous work of Joseph K. Hart, which was entitled Education and the Humane Community (1951).

XI. RESOLUTIONS IN MEMORIAM (continued)

B. H. Gordon Hullfish (continued)

As a teacher, Dr. Hullfish will be remembered for his ability to challenge students to involvement in the analysis of educational ideas and for his unflagging energy in urging them on to a continuing quest for truth and to an ever keener self-criticism of their own intellectual development. As a colleague, Dr. Hullfish will long be remembered as one who stood firm, whatever the crisis and whatever the odds, against any threat to the integrity of the University or to its capacity to perform its true function of nurturing the intellectual growth of those who come to it. As a citizen, Dr. Hullfish will be remembered for his consistent fight against totalitarian and authoritarian forces, whether these appeared in individuals, in communities, or in nations, and for his steadfast support of all agencies, movements, and ideas which add meaning and strength to the democratic ideal. He was deeply committed to the belief that a human community must be based on a mutual respect among men, and upon the freedom of every man to think and act both as an individual and as an integral part of the larger society for the good of all.

On behalf of the University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It is directed that this resolution be inscribed upon the minutes of the Board of Trustees.

C. L. Edwin Smart

The Board of Trustees expresses its sorrow at the death on June 27, 1962 of L. Edwin Smart, Professor of Economics.

Dr. Smart was born in Raymond, Ohio, on December 8, 1895 and received his Doctor of Philosophy degree from The Ohio State University in 1930. He attended the Universite de Toulouse in France and the London School of Economics and Political Science in England. He also did research work in the British Museum and the Bibliotheque Nationale in France. Prior to coming to The Ohio State University as an Assistant in Economics in 1921, Dr. Smart taught in high school and had military service in Europe in World War I with the First Division, A.E.F. Passing through the several academic ranks, he was appointed Professor in Economics at The Ohio State University in 1941.

Professor Smart served the State of Ohio as a fiscal consultant in many different capacities. He was Director of the Division of Research and Statistics of the Ohio Department of Taxation for many years. Virtually every analysis of Ohio tax and fiscal problems since 1930 enlisted the services of Professor Smart both as a researcher and writer. His contributions were further recognized by committee appointments in various national organizations interested in government fiscal affairs.

Dr. Smart will best be remembered by his many students as a modest, effective, and painstaking teacher of statistics, public finance, and economic history. His many graduate students, who hold important positions in higher education, government, and business, will always think of him as a wise student counselor and a friendly and stimulating advisor.

XI. RESOLUTIONS IN MEMORIAM (continued)

C. L. Edwin Smart (continued)

On behalf of the entire University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It is directed that this resolution be inscribed upon the minutes of the Board of Trustees.

D. Harold Zink

The Board of Trustees expresses its sorrow at the death on June 19, 1962 of Harold Zink, Professor of Political Science.

Professor Zink was born in Roswell, New Mexico, in 1901 and received his A.B. from the University of Denver in 1921. He received his M.A. from Harvard in 1924 and his Ph.D. from Harvard in 1926.

Prior to joining the faculty of The Ohio State University, Professor Zink was Chairman of the Political Science Department of DePauw University. He lectured at European and Asian universities and frequently contributed to academic journals. He was the author of more than a dozen books, including American Military Government (1947) and The United States and Germany (1957). He wrote concerning the government and politics of American cities as well as of the Nation.

Professor Zink directed a research project on local government in Sweden, Italy, and India, sponsored by the United Nations Educational, Scientific and Cultural Organization, from 1954 through 1957.

During World War II Professor Zink was assigned to Supreme Headquarters Allied Expeditionary Forces as a staff officer. He was the American editor of the "Handbook for Military Government in Germany" and a consultant to the Allied Control Council on the reorganization of the German Government.

Professor Zink made many contributions to the field of political science; but he will be best remembered by his students for his keen concern for governmental changes and evolution, a concern that made him a "field researcher" and constant world traveler, bringing to his classroom and his books the most up-to-date knowledge of the world's governments.

On behalf of the entire University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It is directed that this resolution be inscribed upon the minutes of the Board of Trustees.

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## XII. REPORTS

### A. Reports from the Finance and Investment Committee

#### 1. Report Concerning the Sale and Issuance of Series E, F, G and H Dormitory Revenue Bonds

Mr. Patton presented the following resolution:

- a. Resolution Approving Certificate for Additional Dormitory Revenue Bonds, Series E, F, G and H

RESOLVED, that the certificate, a copy of which follows, marked Exhibit A and setting forth the earnings coverage and certifying as to there being no change in financial condition that would adversely affect the estimates of earnings coverage be and the same is hereby approved.

Upon motion of Mr. Patton, seconded by Mr. Davis, the above resolution was unanimously adopted by roll call vote.

Exhibit A

#### CERTIFICATE AS TO EARNINGS

The undersigned respectively, President and Vice President, Business and Finance of The Ohio State University, hereby certify to the facts set forth in the following schedule of expected earnings coverage.

The Ohio State University  
Schedule of Expected Earnings Coverage Under Section 6(b)  
of Bond Resolution as of July 1, 1962 for Issuance of  
\$10,700,000 Series E, F, G, and H Bonds

- |  |                    |
|--|--------------------|
| 1. Actual net income from present dormitory facilities for the year ending June 30, 1962 after excluding net income from residents to be fed in the new Dining Facility-South. | \$1,119,940        |
| 2. Adjustment in net income (Note 1)   | (98,983)           |
| 3. Estimated annual net income from facilities to be constructed with proceeds from Series E, F, G and H Bonds:  |                    |
| Married Housing Project No. 2  | 137,835            |
| Dormitory F for Women  | 129,442            |
| Men's Housing No. 1, 2, 3, 4, 5 and 6  | 138,917            |
| Dining Facility-Central  | 187,259            |
| Dining Facility-South  | 208,540            |
| 4. Total actual net income from present facilities and estimated net income from facilities to be constructed  | <u>\$1,822,950</u> |
| 5. Maximum amount to become due in any succeeding fiscal year, namely 1990, for principal and interest on Series A, B, C, D, E, F, G and H Bonds                               | <u>\$1,311,290</u> |
| 6. Ratio of total net income to maximum principal and interest requirements on Series A, B, C, D, E, F, G and H Bonds  | <u>1.39</u>        |

July 13, 1962 meeting, Board of Trustees

XII. REPORTS (continued)

A. Reports from the Finance and Investment Committee (continued)

Certificate as to Earnings (continued)

Note 1. Operating expenses increased 2% to give recognition to anticipated changes in Operating Costs.

The undersigned further certify:

- (a) That there were not included in net income any receipts against which there is any prior claim other than the use thereof for the operating expenses included in computing net income; and
- (b) That said computations of estimates provided for above are based on an assumed occupancy of not more than 95% of capacity of the dormitory facilities in question; and
- (c) That, since the beginning of the current fiscal year, there has been no material change which would adversely affect the estimates in the Earnings Certificate relating to the Series E, F, G and H Bonds.

\_\_\_\_\_, 1962

\_\_\_\_\_  
President

\_\_\_\_\_  
Vice President,  
Business and Finance

2. Report on Investment Portfolio

The report on the University's Investment Portfolio dated June 30, 1962 to the Finance and Investment Committee of the Board of Trustees was received, and the Secretary was instructed to file a copy of the report with the official records of the Board. Further the Committee reaffirmed the policy of absence from the market until there is a clear indication that the bear market has reached its long-term minimum.

B. Report on Highlights of Campus Activities

In concluding the meeting, President Fawcett reviewed some of the highlights of campus activities as compiled by the Executive Director, Office of University Relations.

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July 13, 1962 meeting, Board of Trustees

Thereupon the Board adjourned to meet Friday, September 7, 1962, at the Ohio Agricultural Experiment Station, Wooster, Ohio.

Attest:

\_\_\_\_\_  
John T. Mount  
Secretary

\_\_\_\_\_  
Forrest G. Ketner  
Chairman

## APPENDIX I

### FACULTY APPOINTMENTS, PROMOTIONS, AND TENURE

# FACULTY APPOINTMENTS, PROMOTIONS, AND TENURE

## Introduction

This publication describes the selection, promotion, and tenure of those employees of The Ohio State University having faculty rank. Another publication describes the appointment and continuity of employment for those employees of The Ohio State University who are not under civil service and who do not have faculty rank.

The University Faculty is defined in Section 1 of Article IV of the By-laws of the Board of Trustees and in Rule 25.01 of the Rules for the University Faculty as follows:

The University Faculty shall be constituted as follows: the President of the University; the members of the President's Cabinet; the Deans; the Associate Deans, Assistant Deans and Secretaries of the Colleges and of the Graduate School; all persons with the faculty rank of Professor, Associate Professor, Assistant Professor, and Instructor (providing that persons holding the rank of Instructor have served the University on a regular appointment in that rank for at least six quarters); all persons with the faculty rank of Professor Emeritus, Associate Professor Emeritus, and Assistant Professor Emeritus; the Director, Mershon Center for Education in National Security; the Director of Libraries; the Registrar; and the Director of Admissions.

## PART I

### PRINCIPLES OF TENURE; STATEMENTS OF PRIVILEGES AND RESPONSIBILITIES

1. This University, through its Board of Trustees, has adopted Rules relating to tenure and to the privileges and responsibilities of persons holding faculty rank. These Rules are contained in a publication entitled Rules for the University Faculty and are available on request.

2. Those sections of the Rules relating to appointment and tenure include the following:



## Faculty Appointments, Promotions, and Tenure

### 21.05 Election of Faculty and Staff; Tenure.

The Board of Trustees shall annually elect the President, members of the faculty and all employees of the University not in the classified civil service. However, permanent tenure is an attribute of all faculty ranks, subject to a period of probation as established by the Board.<sup>1</sup> It is terminable only by voluntary formal resignation, by retirement, or death, or for incompetence, grave misconduct or for the causes set forth in Rule 21.03.

Termination of tenure for incompetence, grave misconduct or for the causes set forth in Rule 21.03 shall be subject to the procedures outlined in Rule 21.07.

### 21.03 Appointments and Continuing Employment; Conditions Upon.

Section 1. Upon nomination and recommendation by the President of the University, the Board of Trustees shall make all appointments to all positions within the University and approve the salaries therefor.

Section 2. All officers, teachers and other employees of The Ohio State University are required to take the following Oath of Allegiance as a condition of their initial appointment and continuing employment:

I, \_\_\_\_\_, do solemnly swear (or affirm) that I will support and defend the Constitution of the United States and the Constitution of the State of Ohio against all enemies, foreign and domestic; that I will bear true faith and allegiance to the same; that I take this obligation freely, without any mental reservation or purpose of evasion; and that I will well and faithfully discharge the duties of the office or position in which I am employed, SO HELP ME GOD.

Section 3. In defense of the freedom of those who teach and those who learn, and of the governmental system upon which such freedom is dependent, the conditions hereinafter set forth shall govern all initial appointments and continuing employment by the University.

It shall be sufficient cause for the removal of any officer, teacher or employee of the University, pursuant to the procedure set forth in Rule 21.07, that such officer, employee or teacher advocate, or have membership in an organization which is generally known to advocate the overthrow of the government of the United States, or of the State of Ohio, by force, violence or other unlawful means. (Reference is made to the provisions of Section 143.272, Ohio Revised Code).

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1. This pamphlet contains those periods of probation as established by the Board of Trustees.

## Faculty Appointments, Promotions, and Tenure

Furthermore, in the event that any officer, teacher or employee of The Ohio State University, called to testify before any legally constituted legislative committee or any court, refuses to testify concerning his membership in an organization which advocates overthrow of the government of the United States or of this State, by force, violence or other unlawful means, on the ground that his answers might tend to incriminate him under the Fifth Amendment to the Constitution of the United States, a hearing pursuant to the procedure set forth in Rule 21.07 shall be held to consider his fitness to retain such position in the University.

3. In Part II of this publication certain probationary periods are established for several faculty ranks. In determining the years under contract in these probationary periods, part-time service and service on special contract will not be credited toward the attainment of tenure. For the purpose of this statement:

- a. "Part-time service" is defined as less than 50% service to the University or to the University and to University-related units.
- b. "Special contract" is defined as a contract given to a person whose appointment is temporary; while this temporary appointment may be renewed, it does not indicate permanence of appointment.

4. If termination of tenure is proposed on the grounds of incompetence, grave misconduct, or for the causes set forth in Rule 21.03 above, a procedure as set forth in the Rules for the University Faculty (see especially Rule 21.07) is to be followed.

5. The Rules for the University Faculty also contain a full statement of academic freedom and the responsibilities of those who teach and do research. That statement is contained in Rule 21.01;

## Faculty Appointments, Promotions, and Tenure

### 21. 01 Academic Freedom and Responsibility.

Section 1. The Ohio State University favors the fullest academic freedom consistent with its educational program and with national security. It believes that steadfast adherence to the principles of free discussion and investigation, with correlative responsibility, is the cornerstone of such an institution in a free society; that the continued strength of the educational process depends upon an unqualified dedication to our traditional freedoms and the preservation of the moral and intellectual integrity of the teacher. In the United States, in contrast to much of the world where doctrinaire propaganda, officially stated and enforced, is substituted for freedom of individual thought and expression, the molding of the lives of young people outside the family circle is largely entrusted to the church and the school, and this University holds inviolate the essential rights of the teacher. Honesty and objectivity, however, must always be cardinal principles in teaching, and one who is not free in conscience has neither the right to teach nor the right to speak in a community of scholars which is founded upon the principle of intellectual integrity.

Section 2. A teacher, regardless of tenure in The Ohio State University, is entitled to freedom of research and publication, of classroom discussion of all matters relevant to the subject matter of his course, and of expression of opinion as a citizen, subject to the obligation to be accurate and to exercise appropriate restraint in accordance with the standards of his learned profession.

The teacher's privileges imply correlative responsibilities. In addition to maintaining those standards of competence set forth as minima for his rank, and particularly those relating in scholarship and teaching ability, the teacher also has the obligation to maintain the proper attitude of objectivity, conscientious industry and cooperation with his associates and the University. Further, he has the responsibility to refrain from introducing into his teaching controversial matter unrelated to his subject; and in making public statements, he has the responsibility to make it clear that he is not an institutional spokesman.

## PART II

### APPOINTMENTS, PROMOTIONS, AND TENURE

#### A. In General

1. Personnel administration related to persons having faculty rank is conducted primarily under the direction of Deans and Chairmen. The appointment and subsequent periodic evaluation of persons with faculty rank for purposes of making tenure

## Faculty Appointments, Promotions, and Tenure

decisions, granting promotions, and determining salaries is a responsibility of Deans and Chairmen who maintain personnel records which include evaluative material for persons in their units.

2. The primary criteria to be used in appointing, promoting, and retaining persons having faculty rank are:

- a. Teaching ability and scholarship. This includes personal attributes of integrity, industry, openmindedness, objectivity, capacity for leadership and cooperation.
- b. Research ability and its evidences, both published and unpublished.

In considering the selection, promotion, and retention of persons having faculty rank, rigid application of the criteria for each rank may not be practicable. The duties and responsibilities of individuals vary greatly and various criteria are of different importance in each individual position. The objective is to determine that a person with faculty rank reaches a level of performance in reasonable conformity with the requirements of a given rank as a prerequisite to tenure or promotion or appointment to that rank.

3. In certain of the faculty ranks set forth below a period of probation is established as a prerequisite to obtaining tenure. In general, the University will follow these periods. However, in exceptional cases and when the person involved has had prior service at or above the level of Instructor at this or another university or organization, such prior service may be included as part of the probationary period. This will be done only upon the written recommendation of the Dean of the College after consultation with the Chairman of the applicable department, the Dean of the Graduate School, and the Vice President, Instruction and Research.

4. In all cases the attainment of tenure is not automatic. It is earned in accordance with the University's rules relating to tenure and is acquired either in the original appointment or following the probationary period upon the recommendation

## Faculty Appointments, Promotions, and Tenure

of the Dean of the College after consultation with the Chairman of the applicable department, the Dean of the Graduate School, and the Vice President, Instruction and Research.

Only units of Colleges, the Department of Physical Education, the Departments of Air Science, Military Science, and Naval Science, and the University Libraries may recommend appointment to the faculty ranks and to the following special ranks: (a) Part-time designations, (b) Visiting designations, (c) Adjunct designations, and (d) Clinical designations. Appointees to these special ranks may be accorded some faculty privileges (such as Faculty Club Membership, Athletic ticket privileges, and appropriate parking privileges).

5. The details of each specific appointment to the University Faculty are outlined in the notice of appointment sent by the Board of Trustees to the appointee.

### B. Faculty Ranks

#### INSTRUCTOR

1. Attainment of faculty rank of Instructor is the first substantial step toward tenure at this University. Initial appointment to this faculty rank is necessarily with uncertain knowledge of fulfillment of many of the qualifications essential or desirable for permanent recognition. Accordingly initial appointments are made on a temporary basis.

2. Recommendations for appointment as an Instructor reflect the following formal requisites, capacities, and tenure provisions:

- a. Formal requisites: Baccalaureate degree and Master's degree, or its equivalent, and at least three years of graduate study or of professional experience in the field in which the faculty rank is granted.
- b. Capacities: Satisfactory evidence that the person being appointed possesses the capacity to develop and meet substantially the criteria listed in Part II, Section 2, of this publication.

## Faculty Appointments, Promotions, and Tenure

- c. Tenure: Before an Instructor will be granted tenure, a seven year probationary period in that rank must be met. During his seventh year of service the person involved will be informed by the Dean if he is to be granted tenure beginning with his eighth year of service. If tenure is not granted, his services with the University will be terminated at the end of that academic year and assistance will be given him toward securing a position elsewhere.

The University, through the appropriate Department Chairman, will make every effort to inform the person involved, during the fourth year of his service as an Instructor, as to whether he is to be considered a candidate for tenure. If he is informed that he is not considered a candidate for tenure, his services will be terminated at the end of the fourth year and assistance will be given him toward securing a position elsewhere.

The period of time described in this section may be adjusted in exceptional cases according to Part II, Section 3, of this publication.

### ASSISTANT PROFESSOR

Recommendations for appointment as an Assistant Professor reflect the following formal requisites, capacities, and tenure provisions:

- a. Formal requisites: Ph.D. degree or its equivalent.
- b. Capacities: Demonstrated evidence that the person being appointed possesses the capacity to meet substantially the criteria listed in Part II, Section 2, of this publication.

## Faculty Appointments, Promotions, and Tenure

- c. Tenure: Before an Assistant Professor will be granted tenure, a seven-year probationary period must be met. Service to the University as an Instructor will be counted in meeting this probationary requirement. During his seventh year of service the person involved will be informed by the Dean if he is to be granted tenure beginning with his eighth year of service. If tenure is not granted, his service with the University will be terminated and assistance will be given him toward securing a position elsewhere.

The University, through the appropriate Department Chairman, will make every effort to inform the person involved, during the fourth year of his service to the University (including service as an Instructor), as to whether he is to be considered a candidate for tenure. If he is informed that he is not considered a candidate for tenure, his services will be terminated at the end of the fourth year and assistance will be given him toward securing a position elsewhere.

The period of time described in this section may be adjusted in exceptional cases according to Part II, Section 3, of this publication.

### ASSOCIATE PROFESSOR

Recommendations for appointment as an Associate Professor reflect the following formal requisites, capacities, and tenure provisions:

- a. Formal requisites: Ph.D. degree or its equivalent.

## Faculty Appointments, Promotions, and Tenure

- b. Capacities: Demonstrated evidence that the person being appointed meets substantially the criteria listed in Part II, Section 2, of this publication and that his growth will continue.
- c. Tenure: A person promoted to Associate Professor from a lower faculty rank at this University will acquire tenure upon the effective date of his promotion.

A person appointed from outside of this University to Associate Professor shall normally serve a two-year probationary period. During his second year the person involved will be informed by the Dean if he is to be granted tenure beginning with his third year of service. If tenure is not granted, his services with the University will be terminated at the end of that academic year and assistance will be given him toward securing a position elsewhere.

The period of time described in this section may be adjusted in exceptional cases according to Part II, Section 3, of this publication.

### PROFESSOR

Recommendations for appointment as a Professor reflect the following formal requisites, capacities, and tenure provisions:

- a. Formal requisites: Ph.D. degree or its equivalent.
- b. Capacities: Those of the next lower faculty rank and distinguished teaching or research work; consistent contributions to his chosen field of learning; high achievement in research and publication; outstanding contributions in the applicable professional field.



## Faculty Appointments, Promotions, and Tenure

- c. Tenure: Tenure is automatic upon promotion or appointment to this faculty rank.

### EMERITUS STATUS

A distinguished member of the University Faculty who has served The Ohio State University for at least ten years and who retires from this University may be appointed to Emeritus status upon the recommendation of the Chairman of his Department and the Dean of his College. Upon such appointment, his rank shall include the designation, "Emeritus".

APPENDIX II

THE OHIO STATE UNIVERSITY COMMENCEMENT

August 24, 1962

# RECIPIENTS OF HONORS

## FOY DAVID KOHLER

### DOCTOR OF HUMANE LETTERS

*Dispassionate student of world affairs, crusader for peace and national security, distinguished diplomat, respected civil servant, and esteemed counselor of statesmen*

Foy David Kohler, Career Minister and Appointed-Ambassador to the U.S.S.R., has the integrity which excites the confidence of his superiors and the respect and affection of those serving under him. He has the sensitivity which enables him to understand problems of the utmost delicacy and to give consideration to the feelings of both our friends and our adversaries. He has the sincere humility which disarms those around him who possess less talent. A devoted public servant, Foy David Kohler has selflessly spent his mature life in the service of his country.

Admitted to the Foreign Service shortly after his graduation from The Ohio State University in 1931, Mr. Kohler has served in Windsor, Bucharest, Belgrade, Athens, Cairo, Moscow, London, and Ankara. In the Department of State in Washington he has acted with skill and imagination as Assistant Chief of the Division of Near Eastern Affairs, Director of the Voice of America, Member of the Policy Planning Staff, and Advisor to the International Cooperation Administration. He has held many special diplomatic assignments, one of the more notable being Secretary General of the United States Mission to observe the Greek elections in 1946.

In 1959, President Eisenhower appointed Mr. Kohler Assistant Secretary of State for European Affairs, a post many consider the most active and complicated in the Department of State. Since 1959, Mr. Kohler has been the professional officer most closely concerned with the diplomatic aspects of the Berlin crisis. His competence and his courage led President Kennedy to reappoint him in 1961 to his post of Assistant Secretary of State for European Affairs and, in addition, to designate him chairman of the Berlin Task Force and of the Quadripartite Ambassadorial Group dealing with the German crisis.

Mr. Kohler participated in the planning of Vice President Nixon's visit in 1958 to Moscow and Warsaw and accompanied him on that trip. He was the coordinator of the tour of Chairman Khrushchev in the United States in 1959, was present at the Camp David meetings, and attended the abortive summit meeting in Paris in 1960. In 1961, he accompanied President Kennedy to Vienna to meet with Chairman Khrushchev.

The personal regard for Mr. Kohler felt by his friends and colleagues is as high as their respect for his professional attainments. He is a man of modest, engaging friendliness, lively humor, and self-evident integrity. In our own Foreign Service, he has become an example of outstanding professional effectiveness.

## GROTE REBER

### DOCTOR OF SCIENCE

*America's pioneer radio astronomer who turned a new eye to the heavens and thereby opened an unseen universe to the exploration of man*

Grote Reber is universally recognized today as the founder of the science of radio astronomy. Although the existence of radio radiation from outer space was discovered by Karl Jansky in 1932, the scientific community took no general interest in this discovery until after World War II. Then it did, awakened at last by the persistence of Grote Reber, by his pioneering work, and by the publications, many of them now classics in the field, in which he reported his findings. From 1936 to 1947 he was the only active radio astronomer in the world. Yet in that time, sustained only by his conviction of the importance of this new realm, he took Jansky's discovery and nurtured and developed it into an infant science.

His were the first maps ever made of the radio sky, maps which even today are considered among the most accurate. He located regions of intense radiation later found to be associated with radio stars. He also had the insight to point out for the first time that much of this radiation must be produced by free electrons moving in the electrical fields of nearby atoms.

The impetus which he gave to radio astronomy becomes more remarkable when it is recalled that Mr. Reber was not associated with any university or research laboratory and that he did much of his early work with homemade equipment built at personal expense and erected in his back yard. The 30-foot-diameter solid parabolic antenna which he constructed in 1936 at his home in Wheaton, Illinois, was the first true radio telescope ever built. Its uniqueness has been recognized by the National Radio Astronomy Observatory at Green Bank, West Virginia, where it has been permanently installed. The mechanical design principles which he used in this early instrument have been employed extensively in modern radio telescopes.

Today, Grote Reber is acclaimed by the radio and astronomical scientific communities as the foremost pioneer in this new field and as a productive research scholar whose leadership continues. There is no doubt that his efforts sowed the seeds for the later successful development in radio astronomy at The Ohio State University and elsewhere throughout the world. Thus this University, one of the first in the United States to undertake work in radio astronomy, honors the founder of this science and becomes the first university to recognize Grote Reber's brilliant contributions to knowledge.

## GEORGE WENDELL ECKELBERRY

### THE OHIO STATE UNIVERSITY DISTINGUISHED SERVICE AWARD

*Noted leader in accounting education and effective servant of this University in major administrative assignments*

George Wendell Eckelberry devoted nearly a half-century of his life to The Ohio State University. His retirement in June, 1962, removed from the academic scene one of the nation's pioneers in accounting education, a challenging classroom personality, and an administrator of recognized excellence.

With the exception of a period of duty during World War I, he served this University from the time of his appointment in 1915 as an assistant in economics and sociology until his retirement. In 1921 he became the youngest full professor on the campus and was appointed the following year to the chairmanship of the newly formed Department of Accounting. From 1926 to 1938 he served as assistant to President Rightmire, with duties which included supervision of the faculty budget, chairmanship of the Council on Instruction, and membership in the Administrative Council and the University Cabinet. A certified public accountant and attorney-at-law, he was also recognized as an authority in public utility accounting. An able leader in his field nationally, he was one of the founders of the professional organization which later became the American Accounting Association.

## ERNEST REES GODFREY

### THE OHIO STATE UNIVERSITY DISTINGUISHED SERVICE AWARD

*Long-time member of the football coaching staff, good-will ambassador for athletics and this University*

Ernest Rees Godfrey has often said that if he had his life to live over he would go into the same work, the work of helping boys shape their lives. That he has met and mastered this challenge, during his thirty-three years as a member of the football coaching staff of this University, is now a matter of record. To a small army of Ohio State athletes he transmitted through every word and deed his guiding philosophy: "A coach can never think in terms of himself but only in terms of what is good for the boy." His enthusiasm and devotion to youth made a lasting impression on several generations of Ohio State students and brought forth from "his boys" a rare loyalty and affection.

Known to all as "Ernie," though he held a full professorship and the title of Assistant Athletic Director, he was truly one of the vital personalities in intercollegiate athletics and an outstanding good-will ambassador for the University. Although retirement in June, 1962, has shifted the scene of his activities, it has not diminished the pace or the scope of his many enterprises in behalf of athletes and sound athletics.

## WILLIAM STONE GUTHRIE

### THE OHIO STATE UNIVERSITY DISTINGUISHED SERVICE AWARD

*Friend of students, perceptive educational administrator, and former Executive Dean, Student Relations*

William Stone Guthrie, now president of the Buckeye Federal Savings and Loan Association, joined the staff of The Ohio State University in 1936 as Assistant Dean of Men and Director of Student Employment. At the time of his resignation in 1961, he had risen through a variety of major administrative offices, including that of Associate Dean of the College of Arts and Sciences, to become Executive Dean, Student Relations, and to achieve national acclaim as a leader in his field. In 1960, his professional counterparts across the country selected him as president of the National Association of Student Personnel Administrators.

Keenly sensitive to the interests of students in every issue or policy decision, he repeatedly demonstrated a fundamental fairness which earned him the respect and admiration of students and colleagues alike. A man of unusual resources, Dean Guthrie brought into play, as the situation required, the adroitness of the diplomat, the expertness of the scholar, and the compassionate understanding of the counselor. By his masterful ability to keep open the channels of communication among students, faculty, and administrators, he was able to guide the healthy ferment of student life along lines of lasting progress.

## HERSCHEL WARD NISONGER

### THE OHIO STATE UNIVERSITY DISTINGUISHED SERVICE AWARD

*Nationally recognized authority in adult education, Director Emeritus of the Bureau of Educational Research and Service*

Herschel Ward Nisonger followed the way of true greatness during his eminent forty-one-year career as a teacher and administrator at The Ohio State University, for he chose to dedicate his life to his fellow man, particularly to the enrichment of the adult years and to the rehabilitation of the handicapped. Throughout his long tenure at this University, his work in adult education, community service, and in health and welfare drew increasing acclaim, both within Ohio and throughout the nation. The depth of his concern and the breadth of his efforts are suggested by the many professional organizations in which he was an active participant, groups concerned with vocational rehabilitation, blindness, hearing, mental deficiency, exceptional children, crippled children, family relations, probation and parole. Two national organizations—the American Hearing Society and the American Association of Mental Deficiency—selected him to serve as president.

Professor Nisonger joined the faculty in 1919 as an instructor in agricultural education and advanced to full professor in 1926. A series of administrative appointments followed, culminating with that of Director of the Bureau of Educational Research and Service, the position he held upon retirement in 1960.



## GRADUATE SCHOOL

Acting Dean: RICHARD ARMITAGE

### Doctor of Philosophy

Ahmed F. Mohammed Abdel-Bary, B.E.E. (Cairo University); B.Sc.  
(Ein Shams University); M.Sc. .... Cairo, Egypt  
*Dissertation: The Imaginary Part of the Optical Potential*  
*Field of Specialization: Physics*

Abebe Ambatchew, B.A. (University College of Addis Ababa); M.A.  
Addis Ababa, Ethiopia  
*Dissertation: The Influence of Higher Education on the American So-  
ciety and Its Implications for the Role of Higher Educa-  
tion in Ethiopia*  
*Field of Specialization: Education*

C. LeRoy Anderson, B.S., M.S. (Brigham Young University)  
Thornton, Idaho  
*Dissertation: Assessment of Orientations toward Dependence upon Pub-  
lic Assistance*  
*Field of Specialization: Sociology*

Alford Archer, B.S., M.S. (Columbia University) .... Washington, D. C.  
*Dissertation: The Use of Maps to Define Census Areas*  
*Field of Specialization: Geography*

Robert Emmett Aschewan, B.S., M.A. (University of Minnesota)  
Lewiston, Minn.  
*Dissertation: The Fate of Amiben (3-Amino-2, 5-Dichlorobenzoic Acid)  
in Plants and Soil*  
*Field of Specialization: Agronomy*

Donald Jessup Baker, B.Sc. in Edu., M.A. .... Columbus  
*Dissertation: Two-Channel Listening: A Study of Phase Change, Time  
Delay, and Ear Preference*  
*Field of Specialization: Speech*

Delbert Sylvester Barth, B.S. (United States Military Academy); M.Sc.;  
M.S. (Stevens Institute of Technology, New Jersey) .... Carey  
*Dissertation: Equilibrium Approached by Alveolar Carbon Dioxide dur-  
ing Breath Holding*  
*Field of Specialization: Physiology*

Dev Raj Bhumbra, B.Sc. in Ag., M.Sc. in Ag. (University of the Panjab)  
Hoshiarpur, Punjab, India  
*Dissertation: The Role of Aluminum in Soil Acidity*  
*Field of Specialization: Agronomy*

Joseph Skiles Blair, Jr., B.S. in B.A. (Kent State University); A.M.  
(Columbia University) .... Columbus  
*Dissertation: Educational Television and the Identification of Commu-  
nity Education Needs*  
*Field of Specialization: Education*

Marshall Hallock Brenner, A.B. (Kalamazoo College); M.A. (Bowling  
Green State University) .... East Lansing, Mich.  
*Dissertation: Test Difficulty, Reliability, and Discrimination as Func-  
tions of Item Difficulty Order*  
*Field of Specialization: Psychology*

William Allen Bricker, B.Sc. in Edu., M.A. .... North Canton  
*Dissertation: The Development and Modification of Speech Sound Pro-  
duction of Preschool Children*  
*Field of Specialization: Psychology*

- Robert Alan Brown, B.S. (United States Naval Academy); M.Sc.  
East Liverpool  
*Dissertation: An Investigation of Metal-cutting Dynamics*  
*Field of Specialization: Industrial Engineering*
- Richard Alson Cahoon, B.A., M.A.....Worthington  
*Dissertation: Some Counselor Attitudes and Characteristics Related to the Counseling Relationship*  
*Field of Specialization: Psychology*
- Bret Adolph Charipper, A.B., A.M. (Columbia University)  
New London, Conn.  
*Dissertation: The Effect of the Interstimulus Interval between a Tone and Intracranial Stimulation upon the Subsequent Reinforcing Power of the Tone*  
*Field of Specialization: Psychology*
- Paul B. Chin, B.S. (Purdue University); M.Sc.....Canton  
*Dissertation: The Attitude Motion and Stability of a Spinning Satellite under the Influence of the Earth's Gravity Gradient Torque*  
*Field of Specialization: Engineering Mechanics*
- Boong Youn Cho, B.S., M.S. (Yonsei University).....Seoul, Korea  
*Dissertation: An Electron Spin Resonance Study of Some Organic Photoconductor Dyes*  
*Field of Specialization: Physics*
- Tsung Chu Chou, B.S. (Catholic University of Peiping); M.S. (University of Illinois).....Taipei, Taiwan, China  
*Dissertation: The Chemical Nature of the Characteristic Flavor of Cultured Buttermilk*  
*Field of Specialization: Dairy Technology*
- David Ira Cleland, A.B., M.B.A. (University of Pittsburgh).....Dayton  
*Dissertation: The Origin and Development of a Philosophy of Long-Range Planning in American Business*  
*Field of Specialization: Business Organization*
- Betty Carol Clutts, A.B. (Women's College of the University of North Carolina); M.A. (University of North Carolina) Greensboro, N.C.  
*Dissertation: Country Life Aspects of the Progressive Movement*  
*Field of Specialization: History*
- Marvin Cohen, B.S. in Phar. (Fordham University); M.S. (Rutgers University).....New York, N.Y.  
*Dissertation: Effects of Limbic Lesions on the Interaction of Chlorpromazine and Pentobarbital as Measured by a New Behavioral Scale*  
*Field of Specialization: Pharmacy*
- Henry Bryant Creech, B.S. (East Carolina College); M.A. Warrenton, N.C.  
*Dissertation: The Responses of Mothers to Speech of Children as Determined by Measures of Physiological Activity*  
*Field of Specialization: Speech*
- Harvel Nick Dawirs, B.S. (Colorado State University); M.Sc....Columbus  
*Dissertation: Novel Techniques in the Analysis and Design of Microwave Filters and Radomes*  
*Field of Specialization: Electrical Engineering*

- Wallace Douglas Dawson, Jr., B.S. (Western Kentucky State College);  
M.S. (University of Kentucky) ..... Louisville, Ky.  
*Dissertation: Experimental Hybridization between Peromyscus maniculatus and P. polionotus with Special Reference to Physiological Isolation and Size Inheritance*  
*Field of Specialization: Zoology*
- George F. Dell, Jr., B.Sc., M.Sc. .... Galena  
*Dissertation: Measurement of Total Reaction Cross Sections in the Mass Range  $A = 45$  to  $A = 65$*   
*Field of Specialization: Physics*
- David Peter Dingley, B.S. (John Carroll University); M.S. (Marquette University) ..... Delaware  
*Dissertation: Flash Photolysis of Azoethane and of Azoethane-Oxygen Mixtures*  
*Field of Specialization: Chemistry*
- Mark Eugene Doudna, B.Sc. in Bus. Adm., M.A. .... Huntington, Ind.  
*Dissertation: The Magnitude of Temporary Threshold Shift in Audition after Exposure to Broad-Band Noises with Controlled Amounts of Peak Factor*  
*Field of Specialization: Speech*
- Robert Murray Gerhold, A.B. (Marietta College); M.S. (Marshall College) ..... Chesapeake  
*Dissertation: Structural Determinants in Oxidative Breakdown of Organic Aliphatic Compounds by Domestic Activated Sludges*  
*Field of Specialization: Microbiology*
- Herbert Getter, B.A., M.S. in Ed. (City College, New York) New York, N.Y.  
*Dissertation: Variables Affecting the Value of the Reinforcement in Verbal Conditioning*  
*Field of Specialization: Psychology*
- Hassan Subhi Ghazi, B.S.M.E. (Purdue University); M.Sc. .... Aleppo, Syria  
*Dissertation: Effects of Upstream Flow Non-Uniformities on Orifice Meter Performance*  
*Field of Specialization: Mechanical Engineering*
- Morris Eugene Gilliom, A.B. (Heidelberg College); M.A. .... Columbus  
*Dissertation: The Development of Public Education in North Carolina during Reconstruction, 1865-1876*  
*Field of Specialization: Education*
- Michael Albert Gomez, B.S., M.A. (Louisiana State University) Easton, Pa.  
*Dissertation: The Role of International Technical Cooperation in the Interregional Development of Peru*  
*Field of Specialization: Economics*
- David Ingram Gooding, B.Sc. in Agr., M.Sc. .... Delaware  
*Dissertation: Economic Efficiency of Retailing Selected Produce Commodities by Different Methods of Merchandising*  
*Field of Specialization: Agricultural Economics and Rural Sociology*
- Kazuhiro Goto, B.Eng., M.Eng. (Tohoku University) ..... Sendai, Japan  
*Dissertation: Electromotive Force Measurements of Metal-Oxygen Systems*  
*Field of Specialization: Metallurgical Engineering*
- William Clark Hartel, A.B. (West Virginia University); M.A. .... Northfork, W. Va.  
*Dissertation: The French Colonial Party, 1895-1905*  
*Field of Specialization: History*

- Horace Pearl Hawkes, Jr., B.S. in M.E. (Northeastern University); M.S.  
(United States Air Force Institute of Technology) Wakefield, Mass.  
*Dissertation: The Effect of Stress on Stress-Corrosion Cracking of  
Some Austenitic Stainless Steel Wires in Boiling 42 Wt.  
Per Cent Magnesium Chloride Aqueous Solution*  
*Field of Specialization: Metallurgical Engineering*
- Walter Harold Heintz, B.S. (University of Massachusetts); M.Sc., Columbus  
*Dissertation: An Approximate Quantum Mechanical Solution to the  
Problem of the Torque Free Asymmetric Rotator*  
*Field of Specialization: Physics*
- Robert Cecil Henderhan, B.A. (Kent State University); M.A.....Columbus  
*Dissertation: The Relationship of Several Social-psychological Vari-  
ables to Empathic Ability*  
*Field of Specialization: Speech*
- Charles Au Hildebrandt, B.S. in Educ., M.A. (Kent State University)  
Canton  
*Dissertation: The Relationship of Some Personal and Social Variables  
of School Children to Preferences for Mixed Schools*  
*Field of Specialization: Sociology*
- David Preston Hill, B.A. (University of Omaha); M.A.....Moraga, Calif.  
*Dissertation: Some Characteristics of Potentially Superior Students*  
*Field of Specialization: Psychology*
- James Alan Horel, A.B. (Humboldt State College); M.A.....Eureka, Calif.  
*Dissertation: Effects of Sequential Removals of Striate and Extrastri-  
ate Neocortex upon Visual Habits Learned Interopera-  
tively*  
*Field of Specialization: Psychology*
- Ralph Kenneth Horst, B.S. (Ohio University); M.Sc.....North Lawrence  
*Dissertation: Pathogenic and Enzymatic Variations in Fusarium oxy-  
sporum f. callistephi, Causal Agent of Aster Wilt*  
*Field of Specialization: Botany and Plant Pathology*
- Ruth Lenore Hovermale, B.A. (Otterbein College); M.Sc.....Sarasota, Fla.  
*Dissertation: Spending Patterns of Single Women, with Emphasis on  
Clothing*  
*Field of Specialization: Home Economics*
- John Roger Howe, A.B. (Bluffton College); M.Ed. (Bowling Green  
State University).....Cleveland  
*Dissertation: A Critical Analysis of the Planning, Directing, and Ap-  
praisal of School Management Institute Seminars*  
*Field of Specialization: Education*
- Jerry Henry Hubschman, B.Sc. in Agr.....New Hyde Park, N.Y.  
*Dissertation: The Development and Function of Neurosecretory Sites  
in the Eyestalks of Larval Palaemonetes (Decapoda:  
Natantia)*  
*Field of Specialization: Zoology*
- David Meyer Jacobowitz, B.S. (City College, New York); M.Sc.  
Brooklyn, N.Y.  
*Dissertation: The Effect of Stress on Pituitary and Hypothalamic Me-  
tabolism and ACTH Synthesis*  
*Field of Specialization: Physiological Chemistry and Pharmacology*
- Esther Call Jenkins, A.B. (Alderson-Broadbush College, West Virginia);  
M.A.....Honolulu, Hawaii  
*Dissertation: An Investigation of the Programs for the Preparation of  
Elementary Teachers at The University of Hawaii*  
*Field of Specialization: Education*

- Joseph William Jordan, B.S. in Edu. (Bowling Green State University); M.A.....Vandalia  
*Dissertation: J. D. Salinger as a Writer of Fiction for Students in Senior High School*  
*Field of Specialization: Education*
- James Gross Josenhans, B.S.E.P. (University of Toledo); M.Sc.....Toledo  
*Dissertation: A Study of Magnetic Field Effects in the Base of a Silicon N-P-N Junction Transistor*  
*Field of Specialization: Electrical Engineering*
- Robert Kaplan, B.S., M.A. (New York University).....Columbus  
*Dissertation: Teaching Problem-solving with Television to College Freshmen in Health Education*  
*Field of Specialization: Physical Education (Health Education)*
- George Kaprelian, B.S. (Wisconsin State College, La Crosse); M.E. (Wisconsin State College, Milwaukee).....Columbus  
*Dissertation: An Exploratory Study of the Sensitivity of Prospective and Inservice Elementary Teachers to Possibilities for Arithmetic Teaching Situations in Certain School Activities*  
*Field of Specialization: Education*
- Eugene Julius Karr, B.Sc. in Agr., M.Sc.....Wyandotte, Mich.  
*Dissertation: The Effect of Intermittent Light on the Growth and Development of Plants*  
*Field of Specialization: Botany and Plant Pathology*
- Richard Pearson Kenan, B.S. in Phys. (Georgia Institute of Technology) Albany, Ga.  
*Dissertation: A Generalized Molecular-Field Theory for Antiferromagnetism*  
*Field of Specialization: Physics*
- Robert Joseph Kibler II, B.Sc. in Edu., M.A.....Van Wert  
*Dissertation: The Impact of Message Style and Channel in Communication*  
*Field of Specialization: Speech*
- Raymond H. Klug, B.S., M.S. (Indiana State Teachers College, Terre Haute) .....Dayton  
*Dissertation: Design and Evaluation of a System for Raising Productivity through Work Measurement*  
*Field of Specialization: Business Organization*
- Margaret Irene Koste, B.Sc. in Edu., M.A.....Martins Ferry  
*Dissertation: An Evaluation of Magazines Published for Children in America*  
*Field of Specialization: Education*
- Michael Kosztarab.....Columbus  
*Dissertation: The Armored Scale Insects of Ohio (Homoptera: Coccoidea: Diaspididae)*  
*Field of Specialization: Zoology and Entomology*
- Thomas Joseph Kozik, B.Aero.E. (Rensselaer Polytechnic Institute); M.Sc. Columbus  
*Dissertation: A General Theory of Thin Elastic Shells for Isotropic and Orthotropic Materials*  
*Field of Specialization: Engineering Mechanics*

- Cocherapanicker Lakshmanan, B.Sc. (University of Madras); M.Sc.  
(Annamalia University).....Quilon, India  
*Dissertation: Chemical and Morphological Characteristics of Soils as  
Influenced by Several Tree Species*  
*Field of Specialization: Agronomy*
- Judson Richard Landis, A.B. (University of California, Berkeley); M.A.  
Berkeley, Calif.  
*Dissertation: Social Class Differentials in Self, Value, and Opportunity  
Orientation as Related to Delinquency Potential*  
*Field of Specialization: Sociology*
- Lillard Eugene Law, B.S. in Ed. (Otterbein College); M.A.....Alliance  
*Dissertation: The Identification of Informal Groups and Informal  
Group Leadership in Selected Schools in Ohio*  
*Field of Specialization: Education*
- Donald Frederick Lawson, A.B. (Occidental College, California); M.S.  
(University of Colorado).....Los Angeles, Calif.  
*Dissertation: An Investigation of Factorial Design as a Methodological  
Tool for Research in Marketing*  
*Field of Specialization: Business Organization*
- David Ray Lineback, B.S. (Purdue University).....Liberty, Ind.  
*Dissertation: I. The Structures of Acetylated Sugar Hydrazones  
II. Synthetic Approaches to the  $\alpha$ -D-Linkage in Carbohydrates*  
*Field of Specialization: Chemistry*
- Bette Jean Logsdon, B.S. in Ed. (Southern Illinois University); A.M.,  
(University of Michigan).....East Alton, Ill.  
*Dissertation: A Comparison of Two Methods of Developing Physical  
Fitness in Fourth and Fifth Grade Girls*  
*Field of Specialization: Physical Education*
- David Edward MacArthur, B.A., M.A. (Western Reserve University)  
Milwaukee, Wis.  
*Dissertation: A Study of the Theatrical Career of Winthrop Ames from  
1904 to 1929*  
*Field of Specialization: Speech*
- Robert Edward Malcom, B.S. in Bus. (Miami University); M.B.A.  
Seven Mile  
*Dissertation: The Validity of Short-Term Extrapolations of Sales Data  
as a Means of Forecasting*  
*Field of Specialization: Accounting*
- Mohindar Kaur Mann, B.A., B.T. (University of the Punjab); M.Sc.  
Ludhiana, Punjab, India  
*Dissertation: A Study of the Role of Women in the Cooperative Extension  
Service of Ohio, with Implications for the Involvement of Rural Women in the Community Development  
Program of the Punjab*  
*Field of Specialization: Home Economics*
- Ian Arnold McDonald, B.A. (University of Saskatchewan); M.A.  
(Northwestern University).....London, Ont., Canada  
*Dissertation: The London Little Theatre, 1934-1956*  
*Field of Specialization: Speech*
- George Allen McFarren, B.A. (Muskingum College); M.Educ. (Kent  
State University).....Canton  
*Dissertation: An Analysis of Selected Junior High School Geography  
Textbooks in Relation to Their Treatment of Certain  
Basic Geographic Concepts*  
*Field of Specialization: Education*

- Alexander Scarborough McWilliams, B.A., M.S. (University of Connecticut) .....Hamden, Conn.  
*Dissertation: Calorimetric Measurements on Helium<sup>3</sup> and on Solid Helium<sup>3</sup>-Helium<sup>4</sup> Solutions below 1° K*  
*Field of Specialization: Physics*
- James Curtis Mitchell, B.Sc., M.A. ....Youngstown  
*Dissertation: Studies Concerning the Effects of Limbic After-Discharges on Conditioned Avoidance Performance in Cats*  
*Field of Specialization: Psychology*
- Magnus Moll, B.S.E.E. (Purdue University); M.S. (University of Illinois) .....Columbus  
*Dissertation: Probability Density Functions for Derivatives of Stochastic Processes*  
*Field of Specialization: Electrical Engineering*
- Anastassios Demosthenes Mylonas, M. Crim. (University of California, Berkeley) .....Athens, Greece  
*Dissertation: Prisoners' Attitudes toward Law and Legal Institutions*  
*Field of Specialization: Sociology*
- George Francis Neilson, Jr., B.S., M.S. (Oregon State College, Corvallis) .....Lake Grove, Ore.  
*Dissertation: An X-ray Diffraction Investigation of Lattice Distortion in Sodium Chloride—Sodium Bromide Solid Solutions with a New Type of Focusing Spectrometer*  
*Field of Specialization: Chemistry*
- Hyman Orlin, B.B.A. (City College, New York); A.B., A.M. (George Washington University) .....Silver Spring, Md.  
*Dissertation: Gravity Meter Observations Aboard a Surface Vessel and Their Geodetic Applications*  
*Field of Specialization: Geodetic Science*
- Clifford Young Peery, B.S. (University of Virginia) ....Harrisonburg, Va.  
*Dissertation: Reactions of 3,4-Dichlorocoumarins*  
*Field of Specialization: Chemistry*
- Dale Thompson Peters, Met. Engr. (University of Cincinnati) ..Cincinnati  
*Dissertation: A study of Anelastic Effects in Copper and the Precipitation Hardenable System Copper-2% Cobalt*  
*Field of Specialization: Metallurgical Engineering*
- David Owen Powell, B.A. (Grove City College); A.M. (Miami University) .....Rochester, Pa.  
*Dissertation: The Union Party of 1936*  
*Field of Specialization: History*
- Syed Abdul Rahman, B.Sc., M.Sc. (Aligarh Muslim University) .....Bangalore, Mysore, India  
*Dissertation: Studies on Culturing Rumen Protozoa (Entodinia) in-Vitro*  
*Field of Specialization: Animal Science*
- Thomas Arnold Reed, B.S. (University of Illinois) .....Columbus  
*Dissertation: The Isolation and Synthesis of Columbamine*  
*Field of Specialization: Chemistry*
- James Aldred Robertson, Jr., B.S. in Agric., M.S. (University of Tennessee) .....Knoxville, Tenn.  
*Dissertation: Some Factors Affecting the Activity and Apparent Specificity of the Milk Lipase System*  
*Field of Specialization: Dairy Technology*

- Jack Loyd Robinson, B.A., M.A. (University of Kansas) . . . Houston, Tex.  
*Dissertation: An Inquiry into the Feasibility of and Estimated Revenue Productivity of Individual and Corporate Income Taxes in Ohio*  
*Field of Specialization: Economics*
- William Ronald Robinson, B.A., M.A. . . . . Columbus  
*Dissertation: Edwin Arlington Robinson: The Poetry of the Act*  
*Field of Specialization: English*
- Donald Edward Robison, B.S. (University of Oregon) ; M.Sc  
 Springfield, Ore.  
*Dissertation: Estimates for the Points of Intersection of Two Polynomial Regressions*  
*Field of Specialization: Mathematics*
- Marvin Rogul, A.B., M.S. (University of Missouri) . . . . . St. Louis, Mo.  
*Dissertation: Immunologic Properties of Anti-Rabbit Globulin Chicken Sera*  
*Field of Specialization: Microbiology*
- Frank Roland Scarpitti, B.A. (Fenn College) ; M.A. . . . . Butler, Pa.  
*Dissertation: Differential Socialization: The Delinquent versus the Nondelinquent*  
*Field of Specialization: Sociology*
- Ralph Earl Sechriest, B.A. (Thiel College) ; M.A. (Bowling Green State University) . . . . . Warren, Pa.  
*Dissertation: The Biology of the Lesser Clover Leaf Weevil *Hypera nigrirostris* (Fab.) (Coleoptera: Curculionidae) in Ohio*  
*Field of Specialization: Entomology*
- Russell Lewis Sergeant, A.B. (George Washington University) ; M.A. (University of Maryland) . . . . . Mystic, Conn.  
*Dissertation: An Investigation of Responses of Speech Defective Adults on Personality Inventories*  
*Field of Specialization: Speech*
- Charles High Shultz, B.S. (Franklin and Marshall College) . . Lancaster, Pa.  
*Dissertation: Petrology of Mt. Washburn, Yellowstone National Park, Wyoming*  
*Field of Specialization: Geology*
- Richard A. Simonaitis, B.S. (University of Illinois) ; M.Sc. . . . Chicago, Ill.  
*Dissertation: The Stability and Nature of Complexes of Mercury with Higher Phosphates*  
*Field of Specialization: Chemistry*
- Nat Simons, Jr., B.A. (Saint Mary's University of San Antonio) ; M.A. (Ohio University) . . . . . Pittsburgh, Pa.  
*Dissertation: Financing Ohio's Highways*  
*Field of Specialization: Economics*
- Radha Sinha, B.A., M.A. (Patna University) ; M.A. . . . . Bihar, India  
*Dissertation: Developing Principles and Practices of Educational Administration in India*  
*Field of Specialization: Education*
- Howard Sidney Slusher, B.S. (Brooklyn College) ; M.A. . . . Brooklyn, N.Y.  
*Dissertation: The Overt and Covert Responses of Football Players to a Test of Sportsmanship*  
*Field of Specialization: Physical Education*
- George Bryan Smittle, B.S. in Ed. (Pennsylvania State Teachers College, Edinboro) ; M. Educ. (Kent State University) . . . . . Chillicothe  
*Dissertation: A Study of the Perceptions of Teacher Involvement in Critical and Routine Decisions in Selected Schools of Ohio*  
*Field of Specialization: Education*



- Ralph Damon Sollars, B.Sc. in Edu.; M.Edu. (Bowling Green State University) ..... Columbus  
*Dissertation: The Relationship of Size of Elementary Schools to Operational Cost and Program Quality*  
*Field of Specialization: Education*
- Thomas Berton Southard, A.B. (Capital University); M.A..... Newark  
*Dissertation: Relationships of School Board Practices to Tort Liability Immunity in Selected Ohio Schools*  
*Field of Specialization: Education*
- Lawrence Russell Steele, B.Ch.E., M.Sc. .... New Carlisle  
*Dissertation: Water Decomposition by Fission Fragment Recoil Energy in an Aqueous Slurry of Uranium-Thorium Oxides*  
*Field of Specialization: Chemical Engineering*
- Louis Glen Strasburg, B.S. (University of Utah); M.B.A. .... Salt Lake City, Utah  
*Dissertation: Project Design in the Process of Research Management*  
*Field of Specialization: Business Organization*
- Juanita Fisher Strawn, B.S., M.S. (Virginia State College) ..... Tyler, Tex.  
*Dissertation: Home Economics in Small Departments: Implications for the Reconstruction of the Program*  
*Field of Specialization: Home Economics*
- Bonnie Ruth Strickland, B.S. (Alabama College); M.A... Birmingham, Ala.  
*Dissertation: The Relationship of Awareness to Verbal Conditioning and Extinction*  
*Field of Specialization: Psychology*
- Michal M. Sumichrast, M.B.A..... Columbus  
*Dissertation: An Analysis of Factors Affecting the Market for New Housing*  
*Field of Specialization: Business Organization*
- Charles William Swank, B.Sc. in Agr., M.Sc..... Westerville  
*Dissertation: An Analysis of Factors Affecting Cancellations of Ohio Farm Bureau Federation Group Hospital-surgical Insurance Policies*  
*Field of Specialization: Agricultural Economics and Rural Sociology*
- William Gene Swarner, B.E.E., M.Sc..... Granville  
*Dissertation: Radar Cross Sections of Dielectric or Plasma Coated Conducting Bodies*  
*Field of Specialization: Electrical Engineering*
- Stanford Lee Tackett, B.Sc..... Rushtown  
*Dissertation: Reduction of Vitamin B<sub>12</sub>*  
*Field of Specialization: Chemistry*
- David Tipton Thomas, B.S. in E.E., M.S. (Carnegie Institute of Technology) ..... Barnesville  
*Dissertation: Scattering by Plasma and Dielectric Bodies*  
*Field of Specialization: Electrical Engineering*
- Robert Kenneth Tubbs, B.Sc., ..... Columbus  
*Dissertation: Studies on the Heterogeneity of the Interaction of Deoxyribonucleic Acids with Acridine Derivatives*  
*Field of Specialization: Chemistry*
- Marthellen Ratcliff Van Scoyoc, B.S. in H.E. (Purdue University); M.S. (Iowa State University of Science and Technology). Bowling Green  
*Dissertation: Early Marriage: A Comparison of a Divorced and a Married Group*  
*Field of Specialization: Home Economics*

- Frank John Vattano, B.S. (Colorado State University) ; M.A... Chicago, Ill.  
*Dissertation: Efficiency of GSR Conditioning as a Function of CS-UCS Interval*  
*Field of Specialization: Psychology*
- Yi Wang, B.A. (Taiwan Provincial College of Agriculture) ; M. Sc.  
 Taipei, Formosa, China  
*Dissertation: The Demand and Price Structure for Various Classes of Wheat*  
*Field of Specialization: Agricultural Economics and Rural Sociology*
- Robert Verne Watkins, B.Cer.E., M.Sc..... Wellsville  
*Dissertation: An Investigation of Foam Inclusion in Cast Ceramic Materials*  
*Field of Specialization: Ceramic Engineering*
- Karl Edward Weick, Jr., A.B. (Wittenberg University) ; M.A.... Findlay  
*Dissertation: The Reduction of Cognitive Dissonance through Task Effort, Accomplishment, and Evaluation*  
*Field of Specialization: Psychology*
- Robert Roy Wellman, B.A. (Dartmouth College) ; M.A.  
 (Western Reserve University) ..... Westlake  
*Dissertation: Tradition and Education: A Study in Understanding*  
*Field of Specialization: Education*
- William Russell West, A.B. (University of Pittsburgh) ; M.S.  
 (Florida State University) ..... Uniontown, Pa.  
*Dissertation: The Artistic Approach of Filippo Juvarra, Late Baroque Scene Designer*  
*Field of Specialization: Speech*
- Robert Eugene White, B.A. (Muskingum College) ; M. Educ.  
 (Kent State University) ..... New Concord  
*Dissertation: A Comparison of Two Methods of Developing Physical Fitness in Fourth- and Fifth-Grade Boys*  
*Field of Specialization: Physical Education*
- Karl Leo Wiegand, B.A., M.A.; M.S. (Ohio University) ..... Columbus  
*Dissertation: Three Studies of Uncertainty as a Fundamental Variable in Simple Information Processing Tasks*  
*Field of Specialization: Psychology*
- George Mirron Willis, B.S. in Agr. (Prairie View University) ; M.Sc.  
 Nocogdoches, Tex.  
*Dissertation: Analysis and Biological Significance of Soil Fungistasis*  
*Field of Specialization: Botany and Plant Pathology*
- Chen Pang Wu, B.S. in Engr. (National Taiwan University) ; M.Sc.  
 Ho-Mei Town, Taiwan, China  
*Dissertation: A Study on the Radiation from Elementary Dipoles in a Magneto-ionic Medium*  
*Field of Specialization: Electrical Engineering*
- Sister Ignatius Marie Wulftange, A.B. (Trinity College,  
 Washington, D. C.) ; M.A..... Dayton  
*Dissertation: An Experimental Study of Audience Response to the Oral Interpretation of Literature as Perceived through Different Media*  
*Field of Specialization: Speech*

Anthony Nicholas Zahareas, B.A., M.A.....Columbus  
*Dissertation: The Art of Juan Ruiz, Archpriest of Hita*  
*Field of Specialization: Romance Languages (Spanish)*  
 (One hundred eighteen candidates)

### Master of Arts

Betty Smith Adams, B.Sc. in Edu.....Columbus  
*Field of Specialization: English*

Jane Phillips Allyn, B.S.Ed. (Ohio University).....Chillicothe  
*Field of Specialization: Education*

William Eugene Anderson, A.B. (Olivet Nazarene College).....Ashland  
*Field of Specialization: Education*

Samuel Floyd Angus, B.Sc. in Edu.....Clay Center  
*Field of Specialization: Education*

Daniel Sullivan Arnold, B.S. in Ed. (University of Tennessee)  
 Oak Ridge, Tenn.  
*Field of Specialization: Education*

James Barbour Ashbrook, A.B. (Denison University); B.D. (Colgate  
 Rochester Divinity School).....Rochester, N.Y.  
*Field of Specialization: Psychology*

John Emery Babbs, A.B. (Western Reserve University).....Mentor  
*Field of Specialization: English*

Rita Marsh Balcom, B.Sc. in Edu.....Columbus  
*Field of Specialization: Education*

William Charles Barnes, B.S. in Educ. (Youngstown University)...Girard  
*Field of Specialization: Education*

Evelyn Ruth Berryman Barritt, B.Sc. in Nurs.....Worthington  
*Field of Specialization: Education*

John William Barry, B.Sc. in Agr.....Plain City  
*Field of Specialization: Education*

Willis Edward Bartlett, B.Sc. in Edu.....Fremont  
*Field of Specialization: Education*

Richard Wentworth Beck, B.Sc. in Edu.....Portsmouth  
*Field of Specialization: Education*

Marjorie Catherine Becker, B.S. Phys. Ther. (University of Michigan)  
 Hamilton  
*Field of Specialization: Education*

Robert Edward Beidler, B.A. (College of Wooster).....Marion  
*Field of Specialization: Education*

Joyce Marian Bittner, B.A. (DePauw University).....Paris, Ill.  
*Field of Specialization: Education*

Dorothy Aitken Bohn, B.S. in Ed. (College of Saint Mary of the Springs)  
 Zanesville  
*Field of Specialization: Sociology*

Glenn Edson Borkosky, B.S. in Ed. (Otterbein College).....St. Marys  
*Field of Specialization: Education*

Diane Mary Bowen, B.Sc. in Edu.....Columbus  
*Field of Specialization: Education*

- James Oliver Brannon, B.A. (Rio Grande College).....Rio Grande  
*Field of Specialization: Education*
- Lottie Marcum Brewer, B.A. (Marshall College).....Kermit, W.Va.  
*Field of Specialization: Education*
- Charles Douglas Buford, Jr., B.A. (Southwestern at Memphis)  
 Forrest City, Ark.  
*Field of Specialization: Education*
- Floretta Fae Burr, A.B. (Ohio Northern University).....Cardington  
*Field of Specialization: Speech*
- Edward Cleo Caldwell, B.A. (Hobart College).....Lyndonville, N.Y.  
*Field of Specialization: Education*
- Dale Clifford Carlson, B.S. (Minnesota State Teachers College, St. Cloud)  
 Milaca, Minn.  
*Field of Specialization: Education*
- Daniel Ray Carrier, B.Sc. in Edu.....Hopedale  
*Field of Specialization: History*
- Robert Wood Carter, B.A. (Waynesburg College).....Worthington  
*Field of Specialization: Education*
- Ray Chadwell, B.S. in Ed. (Otterbein College).....London  
*Field of Specialization: Physical Education*
- Evelyn Pearl Chenot, B.A. (Mount Union College).....North Canton  
*Field of Specialization: Psychology*
- Richard Vance Clever, B.Sc. in Agr.....Mansfield  
*Field of Specialization: Education*
- Leslie Combs, B.S. (Eastern Kentucky State Teachers College) Cincinnati  
*Field of Specialization: Education*
- John Alfred Cook, B.S. (University of Tampa).....Columbus  
*Field of Specialization: Education*
- Joe Van Cunningham, B.S. in Ag. (Murray State College, Kentucky)  
 Somerset  
*Field of Specialization: Agricultural Education*
- Loran Arthur Dace, B.A. (Bethany College).....Columbus  
*Field of Specialization: Psychology*
- Harry Elsworth Dall, B.Sc. in Edu.....San Diego, Calif.  
*Field of Specialization: Education*
- William Ray Damsel, B.Sc. in Edu.....Zanesville  
*Field of Specialization: Physical Education*
- Eleanor Joan Daniels, B.A. (Drew University).....Roselle, N. J.  
*Field of Specialization: Psychology*
- Merrill Dean Darlington, B.A. (Ohio Wesleyan University) ..Riverside, Ill.  
*Field of Specialization: Psychology*
- Robert Richard Davis, B.S. (Canisius College).....Buffalo, N.Y.  
*Field of Specialization: Accounting*
- Patricia Miller Dawson, B.Sc. in Edu.....Fremont  
*Field of Specialization: Music*
- Marilou DeWall, B.A. (Calvin College).....Muskegon, Mich.  
*Field of Specialization: Music*

- Otis Dickens, B.S. (West Virginia Institute of Technology) .. Worthington  
*Field of Specialization: Education*
- John Charles Dietrich, A.B. (Capital University) ..... Columbus  
*Field of Specialization: History*
- Abraham Jan Dijkstra, B.A. .... The Hague, Netherlands  
*Field of Specialization: English*
- Loren Duane Donley, B.S. in Educ. (Kent State University) .... Bridgeport  
*Field of Specialization: Music*
- Harold Clark Downey, B.Sc. in Edu. .... New Concord  
*Field of Specialization: Education*
- Paul Arthur Drewes, B.S. in Edu. (Capital University) ..... Columbus  
*Field of Specialization: Education*
- Richard Franklin Eddy, B.A. in Ed. (Fairmont State College,  
 West Virginia) ..... Reynoldsburg  
*Field of Specialization: English*
- Mary Ryan Engelhart, B.Sc. in Edu. .... Lakewood  
*Field of Specialization: Education*
- Philip Chalfant Ensley, B.A. (Ohio Wesleyan University) .. Des Moines, Ia.  
*Field of Specialization: History*
- Carol Margaret Feyes, B.Sc. in Edu. .... Columbus  
*Field of Specialization: Art*
- Curtis Elbert Fleisher, A.B. (Capital University) ..... Johnstown  
*Field of Specialization: Education*
- Joe Lewis Floyd, A.B. (Glenville State College) ..... Glenville, W. Va.  
*Field of Specialization: Education*
- Harry Paul Frank, A.B. (Brooklyn College) ..... Columbus  
*Field of Specialization: Education*
- Dorothy Marie Freeland, B.Sc. in H.E. .... Lucasville  
*Field of Specialization: Home Economics (Education)*
- Helen Boyle Fulmer, B.S. in Edu. (Capital University) ..... Columbus  
*Field of Specialization: Education*
- Walter Allen Furnas, B.A. (Ohio Wesleyan University) ..... Delaware  
*Field of Specialization: Economics*
- Laurel Waishnor Furumoto, A.B. (University of Illinois) .... Rockford, Ill.  
*Field of Specialization: Psychology*
- Richard Eugene Gallagher, B.A. (Michigan State University)  
 Oakland, Mich.  
*Field of Specialization: Education*
- Mabel Virginia Garst, B.S. in Ed. (Manchester College) ..... Covington  
*Field of Specialization: Home Economics (Education)*
- Constance Sarann Gilbert, B.A. (Mills College, California) ..... Columbus  
*Field of Specialization: English*
- Donald Robert Glaser, B.A. (Ohio Wesleyan University) ..... Cincinnati  
*Field of Specialization: History*
- Tanwir Jehan Gorgani, B.A., M.A., B.T. (University of Karachi)  
 Karachi, Pakistan  
*Field of Specialization: Education*

- Eve Gragg Griffith, A.B. (Oberlin College) .....Columbus  
*Field of Specialization: English*
- Charles Christian Grove, B.Sc. in Edu.....Bucyrus  
*Field of Specialization: Education*
- Nancy Madaline Hagan, A.B. (Miami University) .....Mt. Vernon  
*Field of Specialization: Education*
- Fredrick Chauncey Hagerman, B.S. (Wisconsin State College,  
 LaCrosse) .....Holmen, Wis.  
*Field of Specialization: Physical Education*
- Patricia Ann Haggard, B.Music (Capital University) .....Marysville  
*Field of Specialization: Music*
- William Garner Hailey, B.S. in Educ. (Ashland College) .....Mansfield  
*Field of Specialization: Education*
- Myron Loren Halley, B.S.Ed. (Ohio University) .....Wilmington  
*Field of Specialization: Education*
- Dale Calkins Harbach, B.S. (Northwestern University) .....Dayton  
*Field of Specialization: Physical Education*
- David Anderson Harvey, A.B. (Taylor University); M.S. (Massachusetts  
 State Teachers College, Bridgewater) ....West Bridgewater, Mass.  
*Field of Specialization: Education*
- Louie Jean Haythorne, B.Sc. in Edu.....Columbus  
*Field of Specialization: History*
- Mary Pauline Hendrickson, B.A., B.P.E. (University of Alberta)  
 Camrose, Alta., Canada  
*Field of Specialization: Physical Education (Health Education)*
- John Gilbert Herner, B.S. in Edu. (Bowling Green State University)  
 Columbus  
*Field of Specialization: Education*
- Paul William Hersey, A.B. (Miami University) .....Columbus  
*Field of Specialization: Education*
- Dennis Neil Hinkle, B.A. ....Worthington  
*Field of Specialization: Psychology*
- Charlotte Virginia Chavous Hoiston, B.A.....Columbus  
*Field of Specialization: Education*
- John James Horvat, B.Sc. in Edu.....Columbus  
*Field of Specialization: Education*
- William Henry Hosken, A.B. (Antioch College) .....Lake Bluff, Ill.  
*Field of Specialization: Mathematics*
- Patricia Ann Hott, B.A., B.Sc. in Edu.....Cambridge  
*Field of Specialization: Education*
- William Rodney Hughes, B.Sc. in Edu.....Baltimore  
*Field of Specialization: Education*
- James Edgar Hurd, B.A. (Wabash College) .....Medina  
*Field of Specialization: Psychology*
- Lynne Stillson Hurd, B.Sc. in Edu.....Poland  
*Field of Specialization: Education*
- Joanne Horn Hylton, B.Sc. in Edu. ....Columbus  
*Field of Specialization: Education*

- Paul Charles James, B.S. in Ed. (Capital University) ..... Columbus  
*Field of Specialization: Education*
- Joseph Asberry Johnson, Jr., A.B. (Emory University) ..... Pelham, Ga.  
*Field of Specialization: English*
- Marie Johnston, B.A. (Kentucky Wesleyan College) ..... Louisville, Ky.  
*Field of Specialization: Education*
- Walter James Jones, B.Mus., B.Sc. in Edu. .... Girard  
*Field of Specialization: Music*
- Diane Joan Mary Karpinski, B.A. .... Cleveland  
*Field of Specialization: English*
- Margie Ann Kauf, B.Sc. in Edu. .... Bellville  
*Field of Specialization: Education*
- Grace Kelley Keiser, A.B. (Adrian College) ..... Prospect  
*Field of Specialization: Education*
- Yun-Tzu Kiang, B.Sc. (Taiwan Normal University) ..... Chia-Yi, Taiwan, China  
*Field of Specialization: Education*
- Constantine Konstans, B.Mus. (Indiana University) ..... Dayton  
*Field of Specialization: Accounting*
- Helen Mae Krahn, A.B. (Capital University) ..... Seymour, Wis.  
*Field of Specialization: Psychology*
- Elaine Louise Leach, B.S. (Mankato State College, Minnesota) ..... West Concord, Minn.  
*Field of Specialization: Education*
- Charles Franklin LePage, B.S. in Bus.Adm. (Morris Harvey College) ..... Charleston, W. Va.  
*Field of Specialization: Business Organization*
- Thomas Earl LeVere, B.Sc. .... Cleveland  
*Field of Specialization: Psychology*
- Charles Lloyd Lindenfeld, B.A. (Adelphi College) ..... Forest Hills, N. Y.  
*Field of Specialization: History*
- Donna Joanne Lisle, B.S. (College of Steubenville) ..... Steubenville  
*Field of Specialization: Education*
- Patricia Eileen Macnamara, B.S.Ed. (Ohio University) ..... Dayton  
*Field of Specialization: Psychology*
- Francis Barton Mansill, B.A. (Muskingum College) ..... Newcomerstown  
*Field of Specialization: Education*
- Jack Wilfred McCloughan, B.A. (University of Sydney) ..... East Wahroonga, N.S.W., Australia  
*Field of Specialization: Education*
- Clair Wylie McClure, B.S. (Thiel College) ..... Greenville, Pa.  
*Field of Specialization: Education*
- Barbara Jean McCollough, A.B. (Florida Agricultural and Mechanical University) ..... Fernandina, Fla.  
*Field of Specialization: Speech*
- John Anthony McGrath, A.B. (University of Dayton) ..... Mineola, N. Y.  
*Field of Specialization: History*

- Emma Alexander Melton, A.B. (Central State College) .....Cleveland  
*Field of Specialization: Education*
- Jan Keith Merder, B.A. (DePauw University) .....Sullivan, Ind.  
*Field of Specialization: Physical Education*
- Richard Earl Miller, A.B. (Capital University) .....Detroit, Mich.  
*Field of Specialization: Education*
- William Franklin Miller, B.A. (Goshen College) .....Sterling  
*Field of Specialization: Education*
- Charles Leslie Moone, B.F.A. (Ohio Wesleyan University) .....Columbus  
*Field of Specialization: Art*
- Margaret Docherty Moore, B.E. (Youngstown College) .....Youngstown  
*Field of Specialization: Economics*
- Milton Theodore Morter, Jr., B.S. in Ed. (Kent State University) ..Ravenna  
*Field of Specialization: Education*
- Vera Whitman Munsee, B.S. (Boston University) .....Steubenville  
*Field of Specialization: Education*
- Sally Ann Mussetter, B.A. ....Wilmington  
*Field of Specialization: English*
- Florence Pyle Myers, B.S. in Edu. (Otterbein College) .....Columbus  
*Field of Specialization: Education*
- John Frederick Neff, B.A. (Olivet Nazarene College) ; B.Sc. in Edu.  
Columbus  
*Field of Specialization: Education*
- Jesse Franklin Nelson, B.A. (Marshall College) .....Columbus  
*Field of Specialization: Education*
- Susan Crystal Newman, B.A. (Lawrence College) .....Columbus  
*Field of Specialization: Art*
- Norman Frank Noe, B.Sc. in Edu. ....Columbus  
*Field of Specialization: Music*
- Joseph Patrick O'Rourke, B.Sc. in Edu. ....Columbus  
*Field of Specialization: Education*
- Lewis Marion Parrett, B.A. (University of Colorado) .....Bloomingsburg  
*Field of Specialization: Education*
- George Franklin Pearce, B.S. in Ed. (Wilmington College) .....Greenfield  
*Field of Specialization: History*
- William Robert Perry, B.S. (University of Scranton) .....Scranton, Pa.  
*Field of Specialization: Psychology*
- John Melville Pettit, B.S. (University of Illinois) .....Marietta  
*Field of Specialization: Speech*
- Frederick Anderson Pollock, B.A. (Ohio Wesleyan University) ....Delaware  
*Field of Specialization: Education*
- Donald Attilio Ponzani, B.Sc. in Edu. ....Bannock  
*Field of Specialization: Education*
- Thomas Joseph Reardon, B.Sc. in Edu. ....Ashtabula  
*Field of Specialization: Education*
- Normand William Reninger, B.Sc. in E.E. (University of Nebraska)  
Columbus  
*Field of Specialization: Business Organization*



- Ruth Elizabeth Rentschler, B.Sc. in Edu.....Madison, Wis.  
*Field of Specialization: History*
- Kathryn Clark Rice, B.F.A.....Gambier  
*Field of Specialization: Art*
- Robert Charles Ringe, A.B. (Capital University).....Columbus  
*Field of Specialization: Speech*
- Marjorie McEntire Robinson, A.B. (Otterbein College).....Loudonville  
*Field of Specialization: English*
- Harriett S. Rosenberg, B.Sc. in Edu.....Columbus  
*Field of Specialization: Education*
- Arnold Rosenblatt, B.Com. (Sir George Williams College, Canada)  
Montreal, Que., Canada  
*Field of Specialization: Business Organization*
- Robert Hayden Rusoff, B.A. (Ohio Wesleyan University).....Tiffin  
*Field of Specialization: History*
- Joseph Suyo Sakumura, B.A. (Elmhurst College); B.D. (Eden  
Theological Seminary).....Columbus  
*Field of Specialization: Psychology*
- Glenn Alan Saltzman, B.Sc. in Edu.....Findlay  
*Field of Specialization: Education*
- Kathryn Tucker Schoen, B.S. in Edu. (Capital University).....Columbus  
*Field of Specialization: Education*
- Lorenz Philip Schrenk, A.B. (George Washington University)  
Washington, D. C.  
*Field of Specialization: Psychology*
- Robert Simon Seidemann, A.B. (University of Michigan)...Shaker Heights  
*Field of Specialization: Accounting*
- Allan Clair Shellenberger, B.A., B.A. in Educ. (University of Akron)  
Warren  
*Field of Specialization: Education*
- Gene Allen Shepard, B.Sc. in Edu.....Berea  
*Field of Specialization: Education*
- Walter Kenneth Sherwin, Jr., B.A. (University of Notre Dame)  
Wallingford, Pa.  
*Field of Specialization: Classical Languages (Latin)*
- Frederick Allen Sims, B.A. (Ohio Wesleyan University).....Columbus  
*Field of Specialization: Physical Education*
- James Victor Smith, B.S. in Ed. (University of Dayton).....Dayton  
*Field of Specialization: Education*
- Nathaniel Cutright Smith, Jr., B.Sc. in Bus.Adm.....Danville, Ill.  
*Field of Specialization: Psychology*
- Thomas Howard Smith, B.S. in Educ. (Kent State University)...Bucyrus  
*Field of Specialization: History*
- Richard Dale Snider, B.S.Ed. (Ohio University).....Ashville  
*Field of Specialization: Education*

- Leon Eugene Sobilo, A.B. (Allegheny College) ..... Meadville, Pa.  
*Field of Specialization: Education*
- Robert Lee Sonke, A.B. (San Jose State College) ..... Nevada City, Calif.  
*Field of Specialization: Education*
- James Spadafore, B.A. in Ed. (Fairmont State College, West Virginia)  
 Johnstown  
*Field of Specialization: Education*
- Ernest Spaight, B.S.Ed. (Central State College) ..... Columbus  
*Field of Specialization: Education*
- Ruth Jane Spear, B.Sc. in Edu. .... Newcomerstown  
*Field of Specialization: Education*
- Helen Van Hook Spencer, B.A. (Wellesley College) ..... Columbus  
*Field of Specialization: English*
- Jane Tener Staehle, B.A. .... Columbus  
*Field of Specialization: English*
- John David Stanley, B.Sc. in Edu. .... Woodstock  
*Field of Specialization: Physical Education*
- Duane Charles Steele, A.B. (Western Michigan College of Education)  
 Pontiac, Mich.  
*Field of Specialization: Education*
- Robert Edward Stewart, B.Sc. in Edu. .... Columbus  
*Field of Specialization: Education*
- Donald Lahmar Stocksdales, B.A. (Manchester College, Indiana) .... Ansonia  
*Field of Specialization: Education*
- Dana Gilbert Straight, B.S. in Ed. (Massachusetts State Teachers  
 College, Worcester) .... Framingham, Mass.  
*Field of Specialization: Education*
- Walter George Strange, B.A. .... Columbus  
*Field of Specialization: Psychology*
- Jack Edwin Strietelmeier, B.S. in Bus. (Miami University) ..... Marion  
*Field of Specialization: Education*
- Rachel Webb Swerlein, B.S. in Ed. (Ball State Teachers College,  
 Indiana) ..... Columbus  
*Field of Specialization: Education*
- John David Swisher, B.Sc. in Edu. .... Delaware  
*Field of Specialization: Education*
- John Patrick Tague, A.B. (College of Saint Charles Borromeo);  
 S.T.L. (Catholic University of America) ..... Columbus  
*Field of Specialization: Education*
- William Martin Talley, A.B. in Rel.Edu. (Kentucky Christian College);  
 A.B. (Moorhead State College) ..... Vanceburg, Ky.  
*Field of Specialization: Education*
- James Oscar Tappan, B.S. in Edu. (Ball State Teachers College, Indiana)  
 Kokomo, Ind.  
*Field of Specialization: Education*
- Donald Edgar Taylor, B.S. in Edu. (Wilmington College) ..... Republic  
*Field of Specialization: Education*
- Bruce Edward Thrall, B.Mus. .... Toledo  
*Field of Specialization: Music*

- Dan Timmermann Jr., B.S. (Agricultural and Mechanical College  
of Texas) ..... Seymour, Tex.  
*Field of Specialization: Education*
- Mary Ann Roslyn Trombetta, B.A. (West Liberty State College,  
West Virginia) ..... Mingo Junction  
*Field of Specialization: Speech*
- Jo Ann Louise Tyler, B.S. in Phys.Ed. (Mississippi State College  
for Women) ..... Meridian, Miss.  
*Field of Specialization: Physical Education*
- Robert George Uhler, B.S.C., A.B. (Ohio University) ..... Cleveland  
*Field of Specialization: Economics*
- Ronald V. Urick, B.Sc. in Edu. .... Troy  
*Field of Specialization: Education*
- Charles William Warren, B.A. (State University of Iowa) ... Wichita, Kan.  
*Field of Specialization: Music*
- Walter Keith Weathersby, B.S. in Ed. (North Texas State College)  
San Diego, Calif.  
*Field of Specialization: Education*
- Richard Harrison West, B.Sc. in Edu. .... Chillicothe  
*Field of Specialization: Education*
- Mabel Pollitt Whitted, A.B. (University of Kentucky) ..... Columbus  
*Field of Specialization: Education*
- Marlene Ann Wilkins, B.S. in Edu. (Bowling Green State University)  
Bluffton  
*Field of Specialization: Home Economics (Education)*
- Margaret Dumm Wimer, B.Sc. in Edu. .... Columbus  
*Field of Specialization: Education*
- Paul John Woehrmann, B.A. .... Bay Village  
*Field of Specialization: History*
- Bruce Allen Wylie, B.S. in Educ. (Wayne State University) Livonia, Mich.  
*Field of Specialization: Education*
- Elmer William Yoest, B.S. in Ed. (Otterbein College) ..... Columbus  
*Field of Specialization: Physical Education*
- Betty Belle Young, B.School Mus. (Capital University) ..... Dayton  
*Field of Specialization: Music*
- Sister Mary Coralita Zang, B.A. (College of Saint Mary of the Springs)  
Columbus  
*Field of Specialization: Romance Languages (French)*
- Woodford Walton Zimmerman, B.Sc. in Edu. .... Dayton  
*Field of Specialization: Music*  
(One hundred eighty-seven candidates)

#### Master of Business Administration

- Edward Anthony Bohnert, Jr., B.Sc. in Bus.Adm. .... Dayton  
*Field of Specialization: Business Organization*
- David Alan Brooks, B.Sc. in Bus. Adm. .... Newark  
*Field of Specialization: Business Organization*
- Roy Eugene Burkey, B.Sc. in Bus.Adm. .... Columbus  
*Field of Specialization: Business Organization*

- Eugene Joseph Dalessandro, B.S. in B.A. (John Carroll University) Warren  
*Field of Specialization: Accounting*
- Peter Ralph Ferryman, B.Sc. in Bus.Adm.....Dayton  
*Field of Specialization: Business Organization*
- Paul Albert Garver, B.S. (University of Wisconsin) .....Dover  
*Field of Specialization: Business Organization*
- John Coord Hardtle, B.Sc. in Bus.Adm.....Cincinnati  
*Field of Specialization: Business Organization*
- John Paul Hertzner, B.M.E.....New Washington  
*Field of Specialization: Business Organization*
- Charles Edward Hoffman, B.A. (Antioch College); LL.B.....Dayton  
*Field of Specialization: Business Organization*
- John Leonard Houston, B.Sc. in Bus.Adm.....Columbus  
*Field of Specialization: Business Organization*
- Richard Harrison Hoyt, B.Sc. in Bus.Adm.....Mt. Vernon  
*Field of Specialization: Business Organization*
- Patrick Andrew Martinelli, B.S. (Georgetown University) .....Dayton  
*Field of Specialization: Business Organization*
- Carl Gene Meyers, A.B. (Miami University) .....Toledo  
*Field of Specialization: Business Organization*
- Harold Roy Riveland, B.A. (University of Montana); B.S. in I.E.,  
 B.S. in M.E. (University of Washington) .....Dayton  
*Field of Specialization: Business Organization*
- Ronald John Sweitzer, B.S. (Pennsylvania State University) .....Erie, Pa.  
*Field of Specialization: Business Organization*
- Carl Joe Tschappat, B.Sc. in Bus.Adm.....Utica  
*Field of Specialization: Business Organization*
- James Michael White, B.B.A. (University of Notre Dame) ....Chicago, Ill.  
*Field of Specialization: Accounting*
- Dean Lee Windgassen, B.B.A. (University of Cincinnati) .....Cincinnati  
*Field of Specialization: Accounting*
- (Eighteen candidates)

### Master of Education

- Charles Edward Brobeck, B.Sc. in Edu.....Marion  
*Field of Specialization: Education*
- Charles Leslie Cummins, Jr., B.S. in Educ. (University of Tennessee);  
 A.M. (George Peabody College for Teachers) ...Spartanburg, S. C.  
*Field of Specialization: Education*
- Lloyd Dale Davison, B.S.Ed. (Ohio University) .....Euclid  
*Field of Specialization: Education*
- Helen Hildebrand Durfey, B.Sc. in Edu.....Columbus  
*Field of Specialization: Education*

- James Troy Earhart, B.S. in Educ. (University of Cincinnati) ..... Hialeah, Fla.  
*Field of Specialization: Education*
- Charles Edward Eicher, B.S. in Ed. (Otterbein College) ..... Bucyrus  
*Field of Specialization: Education*
- Lyla Jean Evans, B.A. (Ohio Wesleyan University) ..... Delaware  
*Field of Specialization: Education*
- Bentotage Gunasena Dharmatilleke Fernando, B.Sc. (University of Ceylon) ..... Colombo, Ceylon  
*Field of Specialization: Education*
- Clark Lee Greenwood, B.Sc. in Edu. .... Reynoldsburg  
*Field of Specialization: Education*
- Julia Jones Grice, B.S. (Wilberforce University) ..... Washington, D. C.  
*Field of Specialization: Education*
- Richard Graham Hall, B.Sc. in Edu. .... Columbus  
*Field of Specialization: Education*
- Mary Louise Hayes, B.A. .... Columbus  
*Field of Specialization: Education*
- Ida Lea Roxas, B.S. in Ed. (Central Philippine University) .. Iloilo City, P.I.  
*Field of Specialization: Education*
- Paul John Schlotterbeck, B.Sc. in Agr. .... Deshler  
*Field of Specialization: Agricultural Education*
- Beulah Betz Smith, A.B. (Asbury College) ..... Columbus  
*Field of Specialization: Education*
- Gary Neil Walsh, B.S. in Edu. (Wilmington College) ..... Kingston  
*Field of Specialization: Education*  
 (Sixteen candidates)

#### Master of Medical Science

- Osvaldo Garcia, M.D. (National University of Zulia) .. Maracairo, Venezuela  
*Field of Specialization: Medicine*
- Henry Grace Kelley, Jr., B.S. (Wofford College); M.D. (Medical College of South Carolina) ..... Spartanburg, S. C.  
*Field of Specialization: Surgery*
- Paul Gerald Moe, B.A., M.D. (University of Minnesota) ..... Columbus  
*Field of Specialization: Pediatrics*  
 (Three candidates)

#### Master of Science

- James Carroll Abbott, B.A. (College of Wooster) ..... Cincinnati  
*Field of Specialization: Chemistry*
- Carl William Albrecht, Jr., A.B. (Miami University) ..... Greenville  
*Field of Specialization: Zoology*
- Donald Earl Baldwin, B.S., D.V.M. (Kansas State University) ..... Kansas City, Kans.  
*Field of Specialization: Microbiology*
- Jack Harold Barger, B.S. Educ. (Concord College) ..... Delaware  
*Field of Specialization: Entomology*
- Alvin Ray Bartholomew, B.F.A. .... Painesville  
*Field of Specialization: Zoology*

- Truman Wells Bennett, B.S. (University of Dayton) ..... Columbus  
*Field of Specialization: Geology*
- Ernest Ray Bentley, B.S.A. (Purdue University) ..... Milan, Ind.  
*Field of Specialization: Agricultural Economics and Rural Sociology*
- Jean Charles Bisseliches, Ing. (Ecole Nationale Superieure  
des Mines de Paris) ..... Paris, France  
*Field of Specialization: Metallurgical Engineering*
- James Harold Bodenmiller, A.B. (Earlham College) ..... Troy  
*Field of Specialization: Microbiology*
- Frederick Logan Body, B.Sc. in Agr. .... Danville  
*Field of Specialization: Agricultural Education*
- George Richard Branner, B.S.E.E. (Ohio University) ..... Dayton  
*Field of Specialization: Electrical Engineering*
- Myrle Wright Briggs, B.Sc. in H.E. .... Covington  
*Field of Specialization: Home Economics*
- John Henry Bucher, Met.E. (University of Cincinnati) ..... Cincinnati  
*Field of Specialization: Metallurgical Engineering*
- Daniel Cooper, B.I.E. .... Brooklyn, N. Y.  
*Field of Specialization: Industrial Engineering*
- Jerry Lee Cosgrove, M.E. (University of Cincinnati) ..... Salem  
*Field of Specialization: Mechanical Engineering*
- Patricia Cubbon Dearth, B.S.H.E. (West Virginia University)  
Clarksburg, W. Va.  
*Field of Specialization: Home Economics*
- James Roy Elliott, D.D.S. (University of Tennessee) .. Estill Springs, Tenn.  
*Field of Specialization: Dentistry*
- Alan Douglas Fee, D.D.S. (University of Alberta)  
Edmonton, Alta., Canada  
*Field of Specialization: Dentistry*
- John Alden Gardiner, B.S. (University of North Carolina)  
Greensboro, N. C.  
*Field of Specialization: Chemistry*
- Patricia Ellen Gavin, B.S. (University of Detroit) ..... Detroit, Mich.  
*Field of Specialization: Mathematics*
- Norman Hugh Geary, B.S. (Purdue University) ..... Talbot, Ind.  
*Field of Specialization: Mathematics*
- Sally McConnell Ginot, A.B. (Oberlin College) ..... Columbus  
*Field of Specialization: Mathematics*
- Ronald Maurice Girouard, B.S.A. (Ontario Agricultural College)  
Sudbury, Ont., Canada  
*Field of Specialization: Horticulture*
- Franklin Elliott Groening, B.S. (Pennsylvania State University)  
New Orleans, La.  
*Field of Specialization: Chemical Engineering*
- Carl Leroy Hampton, B.Sc. in Agr. .... Lexington  
*Field of Specialization: Agricultural Economics and Rural Sociology*

- Bruce Baron Harshbarger, B.S. (Colorado School of Mines) . . . Golden, Colo.  
*Field of Specialization: Chemical Engineering*
- Robert Milo Hochmuth, B.S. (M.E.) (University of Colorado) . Denver, Colo.  
*Field of Specialization: Mechanical Engineering*
- Joyce Annette Huber, B.S. in H.E. (Southwest Texas State College)  
 Troy, Tex.  
*Field of Specialization: Home Economics*
- Robert Dale Humbert, B.Sc. . . . . Wauseon  
*Field of Specialization: Microbiology*
- Aziz Tawfik Ibrahim, B.Sc. (Ein Shams University) . . . . . Zagazig, Egypt  
*Field of Specialization: Mathematics*
- Clair Sterling Jones, B.Sc. in Agr. . . . . Kenton  
*Field of Specialization: Agricultural Education*
- William Herbert Kirby, B.S.Chem.E. (Iowa State University)  
 Cedar Rapids, Ia.  
*Field of Specialization: Chemical Engineering*
- Lou Anne Koch, B.Sc. in Nurs. . . . . Columbus  
*Field of Specialization: Nursing*
- Don Salvador Laborde, B.E. (Youngstown University) . . . . . Gates Mills  
*Field of Specialization: Electrical Engineering*
- Dagnija Lazdins, B.Sc. . . . . Delaware  
*Field of Specialization: Chemistry*
- John Richard Lemker, B.S. (University of Dayton) . . . . . Cleveland  
*Field of Specialization: Physics*
- Patricia Ann Lenz, B.S. in H.E. (Pennsylvania State Teachers  
 College, Indiana) . . . . . DuBois, Pa.  
*Field of Specialization: Home Economics*
- Christopher James Limerick, Jr., B.S. (New Bedford Institute of  
 Textiles and Technology) . . . . . New Bedford, Mass.  
*Field of Specialization: Geodetic Science*
- Yu-Mei Yu Lu, B.S. (Yenching University) . . . . . Tapei, Taiwan, China  
*Field of Specialization: Mathematics*
- William Francis Lyon, B.Sc. in Agr. . . . . Edison  
*Field of Specialization: Entomology*
- Henry Nelson Merkle, B.S. (Baldwin-Wallace College) . . . . . Solon  
*Field of Specialization: Zoology*
- Gordon William Mills, B.E.E. (University of Dayton) . . . . . Dayton  
*Field of Specialization: Physics*
- Upendra Narayan Mishra, B.Sc. (Bihar University)  
 Jagdispur, Bihar, India  
*Field of Specialization: Agronomy*
- Daris David Moyer, B.Sc. in Agr. . . . . Marion  
*Field of Specialization: Poultry Science*
- Jenaro Ramon Negron, Jr., B.Sc. . . . . Rio Piedras, Puerto Rico  
*Field of Specialization: Geodetic Science*
- \*Floyd John Nelson . . . . . Steubenville  
*Field of Specialization: Metallurgical Engineering (Mining  
 Engineering)*

\* Two degrees

- Monroe Merrill Newborn, B.E.E. (Rensselaer Polytechnic Institute)  
University Heights  
*Field of Specialization: Electrical Engineering*
- Toni Boysen Nicol, B.S. in Nurs. (Capital University).....Genoa  
*Field of Specialization: Nursing*
- Pat Reynolds Odom, B. of Aero. Engr. (Alabama Polytechnic Institute)  
Decatur, Ala.  
*Field of Specialization: Aeronautical and Astronautical Engineering*
- William Henry Pfeifer, B.Met.E.....Akron  
*Field of Specialization: Metallurgical Engineering*
- Gerald Francis Pitstick, B.S. (Wilmington College).....Hilliard  
*Field of Specialization: Chemistry*
- James Franklin Porter, B.Sc.....Coshocton  
*Field of Specialization: Mathematics*
- Antonio Rallo, Ing.Ag. (National School of Agriculture)  
Mexico, D.F., Mexico  
*Field of Specialization: Geodetic Science*
- L. C. Krishna Reddy, B.A., M.A., LL.B. (Osmania University, India)  
Hyderabad, India  
*Field of Specialization: Agricultural Economics (Rural Sociology)*
- Virgil Emory Sackschewsky, B.S. (Colorado State University)  
Fort Collins, Colo.  
*Field of Specialization: Physics*
- Eugene Robert Sapp, B.E.E.....Columbus  
*Field of Specialization: Electrical Engineering*
- Raymond Arthur Schindler, B.Sc. in Agr.....New Riegel  
*Field of Specialization: Agricultural Economics (Rural Sociology)*
- Chandrakant Shripal Shah, B.E. (University of Mysore)....Bombay, India  
*Field of Specialization: Civil Engineering*
- Jerry Alan Sharples, B.Sc. in Agr.....Swanton  
*Field of Specialization: Agricultural Economics and Rural Sociology*
- Kent Lowther Shepherd, B.Pet.E.....Robinson, Ill.  
*Field of Specialization: Chemical Engineering (Petroleum Engineering)*
- Marjorie Frances Sparkman, B.Mus. (Florida State College for Women);  
M.R.E. (Carver School of Missions and Social Work);  
B.S. in Nurs. (University of Alabama).....Dade City, Fla.  
*Field of Specialization: Nursing*
- Helen Rose Spustek, B.Sc. in Nurs.....Bridgeport  
*Field of Specialization: Nursing*
- Kwang Gun Tan, B.S. (University of Illinois).....Tapei, Taiwan, China  
*Field of Specialization: Electrical Engineering*
- Patricia Beardslee Taylor, B.Sc. in H.E.....Delaware  
*Field of Specialization: Home Economics*
- Russell James Taylor, Jr., B.S. (Bates College).....Rockville, Conn.  
*Field of Specialization: Physiological Chemistry*



- Elizabeth Robinson Tejeira, A.B. (College of Saint Mary of the Springs)  
Columbus  
*Field of Specialization: Microbiology*
- Dale Stirling Thomson, A.B. (Cedarville College) ..... Cedarville  
*Field of Specialization: Zoology*
- Darwin Ralph Thorpe, A.B. (Fresno State College) ..... Clovis, Calif.  
*Field of Specialization: Zoology*
- Alan Lee Tyree, B.Sc. .... New Carlisle  
*Field of Specialization: Mathematics*
- Kenneth Burdette Wear, B.S. in Phys. (Georgia Institute of Technology)  
Columbus  
*Field of Specialization: Electrical Engineering*
- Dorothy Elizabeth Whateley, B.A. (University of Buffalo)  
Hamilton, Ont., Canada  
*Field of Specialization: Physiology*
- Robert Lewis Wick, Jr., B.S. (Virginia Military Institute);  
B.S.Chem.E. (Carnegie Institute of Technology);  
M.D. (University of Pittsburgh) ..... Pittsburgh, Pa.  
*Field of Specialization: Preventive Medicine*
- Gary Arthur Wilson, B.Sc. .... Columbus  
*Field of Specialization: Mathematics*
- \*Jay Maxwell Wilson ..... Chillicothe  
*Field of Specialization: Mechanical Engineering*
- Mark Ferlin Wilson, B.S. (Union College, New York) ..... Oswego, N. Y.  
*Field of Specialization: Physics*
- Joseph George Yuhas, B.Sc. in Agr. .... Cleveland  
*Field of Specialization: Zoology*
- Stephen Lawrence Zolnay, B.E.E. .... Cleveland  
*Field of Specialization: Electrical Engineering*  
(Seventy-seven candidates)

#### Master of Social Work

- Mildred Bertha Johnson, B.A. (Roanoke College) ..... Springfield  
*Field of Specialization: Social Work*
- Robert James Lathers, B.S.P.H. (University of Michigan) ..... Columbus  
*Field of Specialization: Social Work*
- Murray Weisman, B.B.A. (University of Minnesota) ..... Minneapolis  
*Field of Specialization: Social Work*  
(Three candidates)

\* Two degrees

## CANDIDATES FOR TWO DEGREES

Floyd John Nelson.....	Steubenville
Master of Science	
Bachelor of Engineering in Mining (cum laude)	
Carole Ann Shifrin.....	Cleveland Heights
Bachelor of Arts	
Bachelor of Science in Education	
Laurel Mae Theis.....	Massillon
Bachelor of Arts	
Bachelor of Science in Education	
Jay Maxwell Wilson.....	Chillicothe
Master of Science	
Bachelor of Mechanical Engineering	
Ping Kou Yee.....	Columbus
Bachelor of Arts	
Bachelor of Science in Business Administration	
(Five candidates)	

# COLLEGE OF AGRICULTURE AND HOME ECONOMICS

Dean: ROY M. KOTTMAN

## Bachelor of Science in Agriculture

Suzanne Margaret Buechler.....	Dublin
John Cornelius Cleaver.....	Dayton
Donn Allan Derr.....	Kenton
Ray Scott Dwelle.....	Sandusky
Hermon Brown Fagley (summa cum laude).....	Bethel
Franklin Doyle Findley.....	Westerville
David Harry Hinson.....	Cincinnati
Melvin James Knapp.....	Castalia
Theodore Wayne Kramer.....	Barberton
Joe Everett Liming.....	Sunbury
William Harshel McGannon.....	Windsor
Charles Edward Miller.....	Green Springs
Owen Richard Morris.....	Venedocia
Lowell Edward Moser (cum laude).....	Seville
Paul Emil Naton.....	Cleveland
Russel Jacob Nyland.....	Jefferson
David Arthur Olle.....	Fairport Harbor
Gary Alan Richardson.....	Cleveland
Dennis Michael Romis.....	Akron
Charles Ennis Slagle.....	Greenfield
Arthur Lee Walkden.....	Wellington
Lorin Eugene Weaver.....	Jeromesville
Andrew Willis Wilson.....	Columbus
Joseph Edward Yantis.....	Troy
Donald Eugene Yingst.....	Covington

(Twenty-five candidates)

## Bachelor of Science in Nutrition

Errol Rowan Alden.....	Wilmington
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(One candidate)

# SCHOOL OF HOME ECONOMICS

## Bachelor of Science in Home Economics

Mary Jo Bowers.....	Ashville
Nancy Jean Davidson.....	West Richfield
Sue Hill Gay.....	Kingston
Linda Silvernail Hurd.....	West Farmington
Jean Louise Jones.....	Wellington
Suzanne Slagle Keller.....	Worthington
Susan Jane Logan (cum laude).....	Mt. Gilead
Roberta Olmsted.....	Huntington Beach, Calif.
Sally Croy Paine.....	Carrollton
Marilee Ann Sellman.....	New Lebanon
Margaret Bosa Sentongo.....	Kampala, Uganda, East Africa
Mary Margaret Simmons.....	Barnesville
Rita Stoll Walkden.....	Medina
June Karen Young.....	Baltimore

(Fourteen candidates)

# COLLEGE OF ARTS AND SCIENCES

Acting Dean: W. TODD FURNISS

## Bachelor of Arts

Carol Soffen Atleson (cum laude)	Shaker Heights
William Andrew Axline	Zanesville
Henrietta Carolyn Bibbs	Cleveland
Richard Lee Boylan	Canton
William Eck Boyland	Tallmadge
Harvey Henry Browning	Toledo
Diane Noltemeyer Carrick	Columbus
Robert Hsin Chen	Canberra, Australia
Julianna de Bruyn Kops	Dayton
Vera Deychakiwsky	Lorain
James Kirk Dowler	Athens
Nazly El Hitamy	Cairo, Egypt
Barbara Neff English	Bucyrus
Wayne Richard Evert	Brecksville
Howard Martin Friedman (cum laude)	Springfield
Mary Elizabeth Gardner	Cleveland
Thomas Lynn Gire	Columbus
Steven Michael Goletz	Barberton
Anna Kathryn Gray	Prospect
Stuart Eugene Greenberg	North Miami Beach, Fla.
Suwit Habanananda	Bangkok, Thailand
Lois Arlene Haignere	Columbus
Thomas Hazen Hauman	Toledo
James Marion Hawkins, Jr.	Springfield
Eric Dale Henderson	Bridgeport
Barbara Elaine Howick	Port Washington, N. Y.
Jamie George Jameson	Columbus
John Canfield Jaynes, Jr.	Bay Village
Robert Eugene Jones	Evansville, Ind.
Garry Alan Katz	University Heights
Barbara Lynn Kirk	Columbus
Karen Sue Kline	Columbus
Daniel Todd Kropf	Orrville
Toby Rose Lackey	Winnetka, Ill.
Jay Larry Lacksen	Columbus
Reginald Francis Lee	Honolulu, Hawaii
Judith Ness Long	Framingham, Mass.
Frederick David Manning	Zanesville
David Richard Maxfield	Bay Village
Jay Lee McCamant	Crestline
James Audley McLaughlin	Massillon
Guy Carroll McNutt, Jr.	Columbus
Lawrence Bernard Meyerson	Columbus
Romualdas Sazunas Milisauskas (cum laude)	Kenosha, Wis.
Mary Kathryn Moats (cum laude)	Chillicothe
Richard Philip Moore	Norwood
Jere Lynn Morrow	Wellston
Donald Byers Murphy, B.Sc. in Bus.Adm.	Fostoria
Sieglinde Seil Myers	Columbus
Lionel Bernard Nosenchuck	Mountaindale, N. Y.
Michael Gary Orgel	Canton
Carl Douglas Owens	Columbus

Gerald Walter Palmer.....	Kettering
Alice Carol Panek.....	Fairview
Ronald Gene Payne.....	Milford Center
Linda Jane Peck.....	Vermilion
Gerald Ashcraft Prior.....	Newark
Joseph Craig Prosser.....	Columbus
Janet Marie Reifert.....	Vermilion
Phoebe Elnora Reigle.....	Akron
Karen Ann Rittinger (cum laude).....	Columbus
Margaret Mills Roberts.....	Columbus
Margery Ann Ryan.....	Flossmoor, Ill.
Thomas Neth Ryan.....	Columbus
Raymond George St. Miklossy.....	Fairlawn, N. J.
*Carole Ann Shifrin.....	Cleveland Heights
Charles Henry Shipley.....	Owensville
Carl Frederick Shrawder.....	Akron
Charles Frederick Smith.....	Columbus
Richard Forster Starling.....	Springfield
Barbara Aultman Steele.....	Chagrin Falls
Lewis Brandt Steingold.....	Richmond, Va.
Jon Stanley Stevens.....	Springfield
Dianne Virginia Stoltz.....	Dover
Larry Lee Stoneburner.....	West Lafayette
Robert Elliott Stout.....	Worthington
James Franklin Streicher.....	Ashtabula
Richard Allan Summers.....	Worthington
John Obren Susac (cum laude).....	Powhatan Point
Edward Jay Swindell.....	Alliance
*Laurel Mae Theis.....	Massillon
Freddie Broadus Thomas (cum laude).....	Hamilton
Richard Snyder Traul.....	Bellefontaine
Eliane Nguyen Van Ty.....	Columbus
John William Vincent.....	Columbus
Robert Fredrick Voth.....	Rocky River
Nancy Kirk Walz.....	Columbus
Paul Webster Warnick.....	Columbus
David Edward Watson (cum laude).....	Worthington
Rose Anne White.....	Kenton
Arthur Dalton Wolfe II.....	Columbus
James Weldon Worth.....	Dayton
*Ping Kou Yee.....	Columbus
Frederick Jay Yonce (cum laude).....	Portsmouth
Patricia Elizabeth Zamary.....	Campbell

(Ninety-five candidates)

### Bachelor of Science

Frank Lent Anelick.....	Columbus
Joan Angelone.....	Columbus
Jerry Lynn Archibald.....	Norwalk
Penny Hacker Archibald.....	North Olmsted
Paul Joseph Axelrod.....	Cleveland
Harry Tudor Baldwin.....	Columbus
Kenneth Behymer.....	Mason
Gary Newel Beson.....	Dayton
Lewis Andrew Bettinger, Jr.....	Canton
William Billingslea, Jr.....	Cleveland

\* Two degrees

Stephen Martin Bowles.....	South Charleston, W. Va.
Francisco Antonio Castillos.....	Groveport
Catherine Gray Curtis.....	Washington, D. C.
James Edward Dishun.....	Franklin
James Leroy Folck.....	Franklin
John Sheldon Graham.....	Columbus
Lois Beckel Guinn.....	Columbus
Marvin Carl Hallberg.....	Bay Village
Anne Elizabeth Hanna.....	Columbus
Martin Louis Kushner.....	Cleveland
Robert Alexander Love III.....	West Portsmouth
Dennis James McCarthy.....	Cincinnati
Michael Wolfgang Mueller.....	Cincinnati
Vincent Otersen.....	Springfield
Arthur Thomas Peacock.....	Canal Winchester
Ralph Stanley Pollock.....	Toledo
James Kent Purdy.....	Urbana
John Delmar Reed.....	Belle Center
Robert Lowell Smith.....	Milford
Susan Esther Sohnlein.....	Canton
Elizabeth Anne Sprang.....	Westerville
David Vandegrift Stiles.....	Wilmington, Del.
William Virgil Walter, Jr.....	Columbus
Warren Lynn Wheeler.....	Spring Valley
Stanley Hugh Wineland.....	West Unity

(Thirty-five candidates)

#### **Bachelor of Science in Medical Technology**

Linda Ann Davis (summa cum laude and with High Distinction in Pathology.....)	Columbus
Sandra Jeanne Dickey.....	Toledo
Jane Weir Hover.....	Sidney
Patricia Arlene Payne.....	Columbus

(Four candidates)

#### **Bachelor of Science in Physical Therapy**

Kathleen Louise Campbell.....	Columbus
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(One candidate)

### **SCHOOL OF JOURNALISM**

#### **Bachelor of Arts**

William Howard Botkin.....	Columbus
George Stimpson Dell.....	Newark
Dorothy Jane Sarna.....	Jefferson
John Charles Toth.....	Barberton

(Four candidates)

# COLLEGE OF COMMERCE AND ADMINISTRATION

Dean: JAMES R. MCCOY

## Bachelor of Science in Business Administration

John Daniel Austin.....	Columbus
Thomas Allen Berry.....	Indianapolis, Ind.
Willard Clarence Blind.....	New Philadelphia
Glen Patrick Brovont.....	Galion
John Edward Burkhardt.....	Fairview Park
Gerald Edwin Cary.....	Attica
Robert Frederick Clark.....	Dayton
Stephen Jon Clemens.....	Mansfield
David Thomas Corrigan.....	Worthington
Daniel Edwin Costello.....	Dayton
Dudley Carl Deimel.....	Columbus
Raymond James DeSantis.....	Warren
Dwight Louis Moody Dickerson, Jr.....	Zanesville
Gary Alan Dix.....	Marion
James Joseph Finneran.....	Columbus
John Thomas Foster, Jr.....	Canton
Judith Ann Fritz.....	Columbus
Alphonse Giggi.....	Columbus
Charles Rodney Gunther.....	Columbus
Harry Neville Hamilton.....	Warren
Stephen Gail Hamilton.....	Bellville
David Howard Handel.....	Columbus
Howard Nelson Hickok III.....	Ashtabula
Jack Herbert Howell.....	Somerton
Ronald John Hunt.....	Dayton
John Blaine Jenkins.....	Columbus
Larry Wilson Jones.....	Columbus
David Harry Kamer.....	Columbus
Donald Lee Kasun.....	Martins Ferry
Wendell Robert Kessler.....	Columbus
Jerry Harvey Kline.....	Columbus
Donald Kenneth Luby.....	Newark
William Charles McMenamy, Jr.....	Columbus
James Fox Miller.....	South Orange, N. J.
Emmett William Millholland, Jr.....	Columbus
Edward Francis Morrill III.....	Brecksville
John Wesley Nagel.....	Fort Wayne, Ind.
Walter Loren Neff.....	Xenia
Dennis Owen Norton.....	Bucyrus
Robert Jack Rose.....	St. Louis, Mo.
David Peter Rupp, Jr.....	Archbold
John Lawrence Sauter.....	Columbus
John Raymond Schwartz.....	Barcelona, Venezuela
Russell Clyde Shaw.....	Wapakoneta
James Hartley Smith.....	Lancaster
Richard Lewis Smith, Jr.....	Woodcliff Lake, N. J.
David Anthony Stratso.....	Bellevue
David Jefferson Swain.....	Columbus
Ronald Gordon Swart.....	Newark
Dennis Lee Travis.....	Napoleon
John Young Wagner.....	Curundu, Canal Zone

Byron Henry Westerman.....	Marietta
Robert Clarence Woodruff.....	Wooster
*Ping Kou Yee.....	Columbus

(Fifty-four candidates)

### Bachelor of Science in Social Welfare

Christine Frances Fell.....	Toledo
Bernard Gay Green.....	Dayton
Judith Constance Nash.....	Willoughby
Donald Shinji Osuga.....	Columbus
Carol Riblet Preston.....	Columbus
Lynette Theresa Shaw.....	Dayton
Phyllis Simon.....	University Heights
Greta Lisa Skoglund.....	Columbus
Kay Colbert Walther.....	Columbus

(Nine candidates)

\* Two degrees



**COLLEGE OF DENTISTRY**

**Acting Dean: JOHN R. WILSON**

**Doctor of Dental Surgery**

**James Stephen Helyer.....Toledo**

**(One candidate)**

# COLLEGE OF EDUCATION

Dean: DONALD P. COTTRELL

## Bachelor of Science in Education

Leah Kunkle Acus.....	Bryan
Sue McDaniel Adams.....	Columbus
Philip Beatty Allen.....	Columbus
Robert Wayne Alston.....	Columbus
Marilyn Joy Assenheimer.....	Bucyrus
Betty Eileen Brown Barnes.....	Bondi Beach, N.S.W., Australia
Hazel Kennedy Bergamo.....	Columbus
Barbara Louise Beurnier.....	Columbus
David Henry Bezona.....	Wilmington
Joyce Elaine Blake.....	London
Elizabeth Swihart Blind.....	Upper Sandusky
Beverly Ann Bradbury.....	Oxford
Sharon Kay Bricker.....	Mt. Vernon
Don Philip Carlton.....	Utica
Ronald Lowell Clark.....	Columbus
Thomas Alan Cochran, B.Sc. in Bus.Adm.....	Newark
Richard Eugene Coffey.....	Lima
Paul Dale Cromley.....	Uhrichsville
James Russell Danison.....	Chandlersville
Barbara Suzanne Deming.....	Newark
Sophronia Phares Dever.....	Hilliard
Ruth Cochran Faris.....	New Vienna
Ellen Ebert Fields, B.F.A. (Denison University).....	Newark
Mary Lou Fingerhuth.....	Tiffin
George Tehan Fischer, B.A.....	Springfield
Judith Sterling Fischer (cum laude).....	Columbus
Kenneth Paul Fleming.....	Sandusky
Margie Ammons Fox (cum laude).....	Columbus
Betty Ruth Gerson.....	Morristown, Tenn.
William Wayne Giffin, B.A. (College of Wooster).....	Shadyside
Harriet Phyllis Glickson.....	Cleveland Heights
Roseanne Calevich Golish.....	Cleveland
William John Gorse.....	Euclid
Ronald Greene.....	Cleveland
George McKinley Gregg, B.S. (Ohio University).....	Poland
Janet Kay Grove.....	Warren
Barbara Cunningham Hansen.....	Galion
Phyllis Host Hartwell.....	Scio
Rose Ann Hayman.....	London
Barbara Pound Hegenderfer.....	Marysville
Jean Gritzmaker Henschen.....	Botkins
Harriet Norma Herman.....	Warren
Arthur Wyman Hitchcock.....	Urbana
Thomas Max Hoffert.....	Fremont
Patricia Louise Hoffman.....	Fairborn
Hattie Thompson Hoover.....	Rockford
Charlene Ruth Hubbard.....	Pataskala
Thomas Stewart Hubler.....	Dayton
Frederick James Hunter, B.Sc. in Agr., M.Sc.....	Alliance
Claire Estelle Jordan.....	Rocky River
Beverly Fink Kanter.....	Cincinnati

Edward James Klodnick.....	Brecksville
Richard Scott Knepper.....	Columbus
Linda Gail Kohn.....	University Heights
Gary William Kost.....	Mt. Vernon
Sarah Diehl Kriska (cum laude).....	Columbus
Allen Proctor Leech, B.Sc. in Agr.....	Coshocton
Harriett Langfitt Leidheiser.....	Vermilion
Dorothy Ann Leppler.....	New Rochelle, N. Y.
Robert Ellis Levine.....	University Heights
Abelyn Issa Liff.....	Dayton
Mary Zimmerman Lombardi.....	Columbus
Daniel Makoroff.....	Cleveland Heights
Ralph Emerson McCuddy.....	Lodi
William Francis McDonald.....	Zanesville
Marilyn Bukey McElfresh (cum laude).....	Columbus
Roberta Ruth McKee.....	Cincinnati
Nancy Carroll Messimer.....	Newark
Ula Ater Metzler.....	Williamsport
Barbara Grossman Miller.....	Bettendorf, Ia.
Stuart Ivan Miller.....	Columbus
Bonnie Gale Mintzer.....	Columbus
Edward Killian Moeller II.....	Dennison
Stanley Lee Moreland.....	Mt. Vernon
Raymond Delauder Morton.....	Westerville
Ruth Ann Hampton Muir.....	Lexington
Mary Linda Conrades Murphy.....	Poland
Bette Kay Musgrave.....	Williamstown
Sharon Jeannine Musgrave.....	New Philadelphia
Richard Caleb Nairn.....	Newark
Matthew Mansfield Neely II, B.A., M.A.....	Columbus
David Joseph Nemeck, B.A.....	Bay Village
Kenneth Leopold Odwarka, B.Sc. in Bus.Adm.....	Columbus
Nancy Sue Olson (summa cum laude).....	Columbus
Beverly Jane Parry.....	Canton
Barbara Jo Pees.....	Dunkirk
Hugh Allen Pennell.....	Vienna
Sally Sue Perry.....	Portsmouth
Jacquelyn Kay Plummer.....	Columbus
Charles Robert Pollock.....	West Lafayette
June Bundy Porter.....	Delaware
Diana Jean Preston.....	Columbus
Lenore Marie Prybyl, B.Sc.....	Lorain
Ronald Charles Rabold.....	Columbus
Stephen Lawrence Ream.....	Columbus
Evangeline Boyd Renner.....	Westerville
Annette Bates Ricker.....	Columbus
Rebecca Jean Ritchey.....	Columbus
John Wilbur Ritter.....	Napoleon
Latricia Ann Robinson.....	Washington C. H.
Charles Andrew Rodgers.....	Columbus
Judith Carol Rosen.....	Columbus
Patricia Melvena Saliba.....	Cambridge
Thomas Lee Sands, B.A.....	Columbus
Helen Louise Schwartzhoff.....	Sebring
Brook Capper Seall.....	Xenia
Bettie Daum Sharrock.....	Columbus
*Carole Ann Shiffrin.....	Cleveland Heights

Wilma Lynn Shore.....	Lima
Susan Ellen Silverman.....	Warren
Richard Allen Simmons.....	Mt. Vernon
Florence Ann Smith.....	Columbus
John Jay Smith.....	Wooster
Melinda Margaret Smith.....	Worthington
Richard Henry Smith.....	Columbus
Diane Parkhill Snouffer.....	Ada
Ruth Poetter Sohner.....	Columbus
Marilyn Zell Spicer.....	Marysville
Jon Syfrit Stewart.....	Largo, Fla.
Gracie Miller Stockton.....	Maumee
Cynthia Sue Strayer.....	Delphos
Martha McFadden Stull.....	Howard
Robert Junior Stull.....	Columbus
Dolores Stough Sweney.....	North Robinson
*Laurel Mae Theis.....	Massillon
Carol Cray Thomas.....	Pittsburgh, Pa.
Elizabeth Jane Tracy.....	Cincinnati
Joan Wright Troyer.....	Toledo
Frances Miller Tyson.....	Columbus
Mary Catherine Keiser Unger.....	Germantown
Bert Kerr Waits II (cum laude).....	Columbus
Fred Milo Walter.....	Geneva
Valerie Anne Warner.....	Barberton
Dorothy Booth Watts.....	Mt. Vernon
Joan McWilliams Weiss.....	Upper Sandusky
Joan Kay Wells.....	North Fairfield
Richard David Wells, B.A. (Muskingum College).....	Coshocton
William Verner White.....	Dillonvale
Carol Ann Whitis.....	Newark
Lee Ernest Williams.....	Springfield
Phillip Stanley Wilson.....	Dayton
Betty McQuiston Wright.....	Columbus
Patricia Anne Wright.....	Columbus
Melanie Anne York.....	Kettering

(One hundred forty-four candidates)

### Bachelor of Fine Arts

John Philip Albin.....	Columbus
Carole Sandra Bramson.....	Cleveland Heights
Beverly Jean Earl.....	Lakewood
Clarence James Galleher.....	Toronto
Phillip James Gross.....	Toledo
Arthur Allen Haring (cum laude).....	Mansfield
Thomas George Kovacs.....	Lakewood
Diane L. D. Powell.....	Worthington
Norman Crawford Roessing.....	Napoleon
Richard Leroy Sheets.....	Delaware

(Ten candidates)

### Bachelor of Music

Phyllis Jenkins Mumper.....	Springfield
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(One candidate)

\* Two degrees

**Bachelor of Science  
in Occupational Therapy**

Jeannette Constance Alessio .....Akron  
Arleen Kay Frantz.....Troy

(Two candidates)

# COLLEGE OF ENGINEERING

Dean: HAROLD A. BOLZ

## Bachelor of Aeronautical and Astronautical Engineering

William David Coleman.....Canton  
Bruce Clair Graber (cum laude).....Leavittsburg  
James Joseph Komar.....Cleveland

(Three candidates)

## Bachelor of Chemical Engineering

Charles David Osburn.....Columbus  
Phillip Floyd Pflaumer.....Urbana

(Two candidates)

## Bachelor of Civil Engineering

Larry Harlan Lape.....Canton  
James Edward Rader.....Columbus

(Two candidates)

## Bachelor of Electrical Engineering

James Dillino Allen III.....Warsaw  
Donald Ray Deuel.....Berea  
Ted Alvin Gecks.....Cincinnati  
James Maurice Hardenbrook.....Columbus  
Tony Charles Jensen.....Rocky River  
John Charles Matyac.....Blacklick  
Robert William Mayer, Jr.....Galion  
Walter Earl Morton.....Edison  
Darold Gene Riegsecker (cum laude).....Archbold  
Charles Howard Vermillion.....East Liverpool

(Ten candidates)

## Bachelor of Industrial Engineering

Richard Francis Kessler.....Columbus  
James Samuel Waterwash.....Euclid

(Two candidates)

## Bachelor of Mechanical Engineering

James Herbert Bitteringer.....Hamilton  
Howard DeVore, Jr.....Ottawa  
Kail Lester Linebrink.....Columbus  
John Alva McClenathan.....Caledonia  
Richard Myers Riley, Jr.....Columbus  
\*Jay Maxwell Wilson.....Chillicothe

(Six candidates)

## Bachelor of Engineering in Mining

\*Floyd John Nelson (cum laude).....Steubenville  
Durmaz Yazgan.....Diyarbakir, Turkey

(Two candidates)

\* Two degrees

**Bachelor of Petroleum Engineering**

Ronald Edward Kelley.....Girard  
(One candidate)

**Bachelor of Science in Physics**

Robert Ellsworth Saum.....Columbus  
(One candidate)

**SCHOOL OF ARCHITECTURE AND LANDSCAPE ARCHITECTURE**

**Bachelor of Architecture**

Woodford Franklin Jones.....Middletown  
Leo Eugene Lauterbach.....Dayton  
(Two candidates)

# COLLEGE OF MEDICINE

Dean: RICHARD L. MEILING

## SCHOOL OF NURSING

### Bachelor of Science in Nursing

Sharyn Kay Allion.....	Lima
Mary Elizabeth Cipriano (cum laude).....	Ravenna
Janet Estridge.....	Hamilton
Carole Elizabeth Forney.....	Cincinnati
Jacqueline Lorraine Fullen.....	Columbus
Suzanne Garl.....	Bluefield, W. Va.
Phyllis Marie Garwood.....	Ada
Phyllis Diane Greth.....	Canton
Joan Marie Heberlein.....	Portage, Wis.
Emily Sue Hollar.....	Newark
Mary Smith Kraps.....	Lima
Bernadine Jennie Marosek.....	Lakewood
Lois Jean Norris.....	Akron
Nancy Cowling Parker.....	Barberton
Alma Joanne Porter.....	Gallipolis
Mary Martha Rader.....	Ironton
Patricia Ellen Scott.....	Portsmouth
Mary Ann Moeller Smith.....	Columbus
Muriel McPherson Toop.....	Euclid
Margaret Ann Wallace.....	Youngstown
Karen Lee Williams.....	Dayton

(Twenty-one candidates)



THE OHIO STATE UNIVERSITY  
OFFICIAL PROCEEDINGS OF THE  
NINE HUNDRED AND SEVENTY-THIRD MEETING  
OF THE BOARD OF TRUSTEES

Wooster, Ohio, September 7, 1962

The Board of Trustees met Friday, September 7, 1962, at the Ohio Agricultural Experiment Station, Wooster, Ohio, pursuant to adjournment.

Present: Forrest G. Ketner, Chairman, Thomas F. Patton, Smith L. Rairdon, Alan B. Loop, Jacob E. Davis, Stanley C. Allyn and Robert Lazarus.

The Chairman introduced Mr. Robert Lazarus, Columbus, Ohio, who was appointed by Governor Michael V. DiSalle, as a member of The Ohio State University Board of Trustees for a term beginning July 13, 1962 and ending May 13, 1969. Mr. Lazarus attended this meeting as an observer.

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The minutes of the last meeting were approved.

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President Fawcett presented the following recommendations:

I. GENERAL RECOMMENDATIONS

A. Distribution of Indirect Expense Money from the Research Foundation to University Treasurer Research Subaccounts

Since the September 8, 1961 meeting of the Board of Trustees through June 30, 1962 a total of \$880,649.00 has been received in payment for indirect expenses incurred on projects administered through The Ohio State University Research Foundation, after Foundation costs and the costs of retirement were provided for.

It is recommended that these receipts be distributed to the University Treasurer Research Subaccounts to provide for specified projects previously approved, and thereafter in amounts related to the indirect expense rates contractually approved by the Federal Government. It is further recommended that receipts hereafter received from such sources be distributed to the University Treasurer Research Subaccounts in like manner.

Upon motion of Mr. Rairdon, seconded by Mr. Davis, the above recommendations were unanimously approved by roll call vote.

B. Revision of Parking Lot Rates--Mershon Parking Garage and East Baker Hall Parking Lot

Upon the request of the Vice President, Business and Finance, and with the concurrence of the Commission on Traffic and Parking, it is recommended that the rates for the Mershon Parking Garage and the East Baker Hall Parking Lot as approved by the Board of Trustees on February 10, 1961 be revised effective September 15, 1962, and that the new rate schedule be as follows:

First hour	20¢
Second hour	15¢
Third hour	10¢
Each additional hour	5¢
Special events	50¢

Upon motion of Mr. Patton, seconded by Mr. Rairdon, the above schedule of rates for the Mershon Parking Garage and East Baker Hall Parking Lot was unanimously approved by roll call vote, and the Secretary was instructed to include the new schedule in the "Motor Vehicle Regulations for Visitors" and "Motor Vehicle Regulations for Faculty and Staff."

C. Naming of Student Housing Units North of Campus

Upon the proposal of Mr. Frederick Stecker, Executive Director, University Relations, after consultation with appropriate administrative officers of the University, it is recommended that the three high-rise residence halls to be erected in the complex north of the campus be named as follows:

September 7, 1962 meeting, Board of Trustees

I. GENERAL RECOMMENDATIONS (continued)

C. Naming of Student Housing Units North of Campus (continued)

Student Housing Unit Twelve	<u>Drackett Tower</u> , in memory of Mr. Harry R. Drackett, B.Sc. Chemical Engineering, 1907. Mr. Drackett served as president of the Drackett Chemical Company of Cincinnati until his death on March 5, 1948. He was chairman of the Alumni Advisory Board for ten years, a founder and chairman of the Development Fund Board of Directors for eight years, and at the time of his death, alumni trustee member of the University's Research Foundation. The University awarded him the honorary degree Doctor of Science in 1943.
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Student Housing Unit Ten	<u>Taylor Tower</u> , in memory of Mr. Jacob B. Taylor, Professor Emeritus of Accounting and former Vice President and Treasurer of The Ohio State University. Mr. Taylor joined the University faculty in 1927 as Associate Professor of Accounting and became Chairman of that Department in 1930. In 1948 he was appointed Vice President, and in 1953, Vice President and Treasurer. He played a leading role in the multi-million-dollar postwar building program on the Ohio State campus. Following his retirement in 1957, he served as a financial executive for the General Telephone and Electronics Corporation in New York City until his death on March 14, 1962.
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Student Housing Unit Eleven	<u>Jones Tower</u> , in memory of Mr. Lawrence D. Jones, a 1923 graduate of The Ohio State University with the degree Bachelor of Civil Engineering. For thirty-seven years, beginning as an instructor in Engineering Drawing in 1924, he served this University. He was Secretary of the College of Engineering, 1929-1958; Acting Dean of the College, 1952-53; Associate Dean, 1953-58; and Secretary of the University Faculty and the Faculty Council from 1945 until his death on October 27, 1961.
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These proposals have the concurrence of the President's Cabinet and are in accordance with the By-Laws of the Board of Trustees. They are hereby recommended for your approval.

Upon motion of Mr. Loop, seconded by Mr. Rairdon, the Board of Trustees by unanimous roll call vote approved the naming of the student housing units indicated above.

D. Inter-University Council of Ohio - Support of the Office of Executive Secretary

Pursuant to the action taken by the Board of Trustees on April 14, 1961, the Inter-University Council of Ohio has established a permanent central office in the Ohio State Museum and engaged an Executive Secretary whose services began on July 1, 1961.

I. GENERAL RECOMMENDATIONS (continued)

D. Inter-University Council of Ohio - Support of  
the Office of Executive Secretary

It is recommended that the University shall pay from state-appropriated funds its pro rata share for the annual operation of the Office of the Executive Secretary of the Inter-University Council based upon the distribution of funds to the State Universities in the annual appropriation bill.

Upon motion of Mr. Davis, seconded by Mr. Allyn, the above recommendation was unanimously approved by roll call vote.

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II. PERSONNEL CHANGES

It is recommended that all personnel changes since the July 13, 1962 meeting of this Board, as recorded in the official "Salary Roll" of the University, be approved by the Board. These changes include the following Promotion, Appointments, Leaves of Absence With Salary, Leaves of Absence Without Salary and Emeritus Title:

A. Promotion

Bernard J. Lachner from Associate Administrator (part time - 90%), University Hospital to Administrator (part time - 90%), University Hospital, effective September 1, 1962, at a salary of \$16,968.00. (Mr. Lachner will continue to serve as Assistant Dean (part time - 10%), College of Medicine, at a salary of \$1,200.00 per annum.)

B. Appointments

Alfred C. Broad, Assistant Dean (part time - 50%), Graduate School, effective October 1, 1962, at a salary of \$6,804.00 per annum. (Dr. Broad will continue as Associate Professor (part time - 50%), Department of Zoology and Entomology, at a salary of \$3,984.00 per annum.)

William O. Robertson, M.D., Assistant Dean (part time - 75%), Curriculum Development and Research in Medical Education, College of Medicine, effective September 1, 1962, at a salary of \$13,968.00 per annum. (Dr. Robertson will continue as Associate Professor (part time - 25%), Department of Pediatrics, at a salary of \$4,200.00 per annum.)

Fred E. Kindig, Coordinator, Quantitative Methods Instruction, College of Commerce and Administration - Administration, effective October 1, 1962, at a salary of \$14,268.00 per annum. (Dr. Kindig will serve as a Professor, Business Organization, at No Salary.)

II. PERSONNEL CHANGES (continued)

B. Appointments (continued)

Raymond C. Miles, Professor, Psychology, effective October 1, 1962, at a salary of \$10,368.00 per annum.

Tien Y. Chen, Associate Professor, Civil Engineering, effective October 1, 1962, at a salary of \$10,068.00 per annum.

Jack R. Frymier, Associate Professor, Education, effective October 1, 1962, at a salary of \$8,868.00 per annum.

Roy Larmee, Associate Professor, Education, effective October 1, 1962, at a salary of \$10,068.00 per annum.

C. Leaves of Absence With Salary

In accordance with the policy approved by the Board of Trustees on April 12, 1954, the following-named persons are recommended for Leaves of Absence With Salary from the Agricultural Extension Service for the period indicated:

Herbert H. Hadley, Associate Professor (District Supervisor), October 1, 1962 through March 15, 1963, to study at Michigan State University.

John R. Aylsworth, Instructor (County Extension Agent, 4-H) Erie County, October 1, 1962 through December 15, 1962, to study at The Ohio State University.

Carl R. Blue, Instructor (County Extension Agent, 4-H) Trumbull County, October 1, 1962 through December 31, 1962, to study at The Ohio State University.

Bobbie D. Davis, Instructor (County Extension Agent, 4-H) Washington County, September 1, 1962 through December 31, 1962, to study at the University of Maryland.

William L. Melvin, Instructor (County Extension Agent, 4-H) Hocking County, October 1, 1962 through December 15, 1962, to study at The Ohio State University.

John A. Shultz, Instructor (Extension Specialist, Family Life), October 1, 1962 through December 15, 1962, to study at The Ohio State University.

D. Leaves of Absence Without Salary

Robert F. Baker, Professor (part time - 18%), Civil Engineering, and Professor (part time - 82%), Engineering Experiment Station, September 22, 1962 through September 30, 1963, to serve as Director of Research for United States Bureau of Public Roads.

II. PERSONNEL CHANGES (continued)

D. Leaves of Absence Without Salary (continued)

Brewton Berry, Professor, Sociology and Anthropology, October 1, 1962 through December 31, 1962, to devote full time to personal research and writing.

Paul G. Craig, Professor, Economics, October 1, 1962 through December 31, 1962, to serve as a Visiting Professor at the University of Hawaii.

Robert C. Elliott, Professor, English, April 1, 1963 through June 30, 1963, to accept a Guggenheim Fellowship.

Harvey Goldberg, Professor, History, January 1, 1963 through June 30, 1963, to serve as a Professor, International School of America.

Nathan Lazar, Professor, Education, October 1, 1962 through September 30, 1963, to continue research for Encyclopedia Britannica.

Richard R. Newberg, Professor (part time - 43%), Agricultural Economics and Rural Sociology, October 1, 1962 through September 30, 1963, to work for the U. S. Agency for International Development in Brazil.

Leo A. Sapirstein, Professor, Physiology, October 1, 1962 through September 30, 1963, to pursue research at Stanford University.

John W. Sharp, Professor (part time - 44%), Agricultural Economics and Rural Sociology, August 1, 1962 through August 21, 1962, to go to Brazil as an agricultural economist doing research with the Brazilian government and the U. S. Agency for International Development.

Leo E. Lipetz, Associate Professor, Institute for Research in Vision, October 1, 1962 through June 30, 1963, to accept a special fellowship from National Institutes of Health to spend a year at the College of France in Paris.

Robert A. Barnes, Instructor, Engineering Mechanics, October 1, 1962 through December 31, 1962, to accept a National Science Foundation Fellowship.

Billy Joe Colwell, Instructor, Economics, October 1, 1962 through September 30, 1963, to do research at the Federal Trade Commission, Washington, D. C.

Kenneth A. Harkness, Instructor (part time - 80%), Agricultural Engineering, October 1, 1962 through September 30, 1963, to work on his Ph. D. degree.

II. PERSONNEL CHANGES (continued)

D. Leaves of Absence Without Salary (continued)

John Y. Simon, Instructor, History, October 1, 1962 through September 30, 1963, to accept the position of Executive Director of Ulysses S. Grant Association in Ohio State Museum.

E. Emeritus Title

Winston E. Dunham, Zoology and Entomology, with the title Associate Professor Emeritus, effective July 1, 1962.

Upon motion of Mr. Patton, seconded by Mr. Davis, the Promotion, Appointments, Leaves of Absence With Salary, Leaves of Absence Without Salary, Emeritus Title and the personnel changes recorded in the official "Salary Roll" of the University were unanimously approved by roll call vote, and the Secretary was instructed to file these changes in the "Salary Roll" with the official documents of the University.

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III. GENERAL CONTRACTS AND AGREEMENTS

A. The Ohio State University and  
The Ohio State University Research Foundation

In accordance with the Memorandum of Agreement between The Ohio State University and The Ohio State University Research Foundation approved by this Board on September 5, 1950, it is recommended that the research agreements for the following projects administered through the Research Foundation be approved and recorded in the minutes of this meeting.

1. Government Contracts - Federal

- a. Headquarters, U. S. Army Armor Center, Central Purchasing and Contracting Division, Fort Knox, Kentucky, for Research and Scientific Studies for the Combat Development Program (to be known as U. S. Army Armor Center Project No. 573 - Mod. #18 - Engineering Experiment Station).  
Gross Value - \$35,000.00.
- b. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Antigenic Changes in Virus-Treated Erythrocytes (to be known as National Institutes of Health Project No. 707 - Ext. #6 - Department of Microbiology).  
Gross Value - \$6,898.00.

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

- c. Department of Health, Education and Welfare, Public Health Service, Washington 25, D. C., for an Investigation of the Relationship of Animal Disease to Air Pollution (to be known as Public Health Service Project No. 788 - Mod. #7 - Department of Veterinary Pathology).  
Gross Value - \$6,678.00.
- d. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Physiological and Pathological Effects of Vibration (to be known as National Institutes of Health Project No. 862 - Ext. #4 - Department of Preventive Medicine).  
Gross Value - \$99,495.00.
- e. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for An Investigation of ORNITHOGALUM UMBELLATUM (to be known as National Institutes of Health Project No. 867 - Ext. #4 - College of Pharmacy).  
Gross Value - \$8,836.00.
- f. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for Bacteriological Studies of Dental Calculus (to be known as National Institutes of Health Project No. 869 - Ext. #4 - College of Dentistry).  
Gross Value - \$11,478.00.
- g. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for Physical-Chemical Studies of Muscle (to be known as National Institutes of Health Project No. 874 - Ext. #4 - Department of Physiology).  
Gross Value - \$9,200.00.
- h. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Factors Influencing Experimental Cancer of Uterus (to be known as National Institutes of Health Project No. 1005 - Ext. #3 - Department of Pathology).  
Gross Value - \$22,395.00.
- i. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for Fractionation Studies on Nondialyzable Materials of Human Urine (to be known as National Institutes of Health Project No. 1023 - Ext. #3 - Department of Physiological Chemistry and Pharmacology).  
Gross Value - \$11,520.00.



III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

- j. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of the Heterogeneity of Deoxyribonucleic Acids (DNA) (to be known as National Institutes of Health Project No. 1048 - Ext. #3 - Department of Chemistry).  
Gross Value - \$17,664.00.
- k. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Electron Microscopy of Cervical Carcinogenesis (to be known as National Institutes of Health Project No. 1159 - Ext. #2 - Department of Pathology).  
Gross Value - \$10,982.00.
- l. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Biogenesis of Oligosaccharides Containing Galactose (to be known as National Institutes of Health Project No. 1165 - Ext. #2 - Department of Agricultural Biochemistry).  
Gross Value - \$7,820.00.
- m. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Dental Writing (to be known as National Institutes of Health Project No. 1169 - Ext. #2 - School of Journalism).  
Gross Value - \$17,250.00.
- n. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of the Effect of Parathyroid Hormone on Pancreatitis in Experimental Animals (to be known as National Institutes of Health Project No. 1171 - Ext. #2 - Department of Surgery).  
Gross Value - \$14,550.00.
- o. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Constituents of *Mammea americana* L. and Related Plants (to be known as National Institutes of Health Project No. 1231 - Sup. #1 - Department of Chemistry).  
Gross Value - \$6,375.00.
- p. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Tumor Necrotizing of Tuberous Begonias (to be known as National Institutes of Health Project No. 1338 - Ext. #1 - College of Pharmacy).  
Gross Value - \$7,446.00.

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

- q. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Serum Enzymes in Minimal and Manifest Liver Toxicity (to be known as National Institutes of Health Project No. 1351 - Ext. #1 - Department of Preventive Medicine).  
Gross Value - \$12,248.00.
- r. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for a Study of Passenger Health Problems in Jet Air Travel (to be known as National Institutes of Health Project No. 1357 - Ext. #1 - Department of Preventive Medicine).  
Gross Value - \$34,833.00.
- s. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of the Use of Benzimidazoles as Food Additives (to be known as National Institutes of Health Project No. 1360 - Ext. #1 - Department of Poultry Science).  
Gross Value - \$14,423.00.
- t. Department of Health, Education and Welfare, Office of Education, Washington 25, D. C., for an Investigation of Perception and Television: Physiological Factors of Television Viewing (to be known as Office of Education Project No. 1402 - Ltr. dtd. 7/24/62 - Bureau of Educational Research and Service).  
Gross Value - \$23,090.00.
- u. Department of Health, Education and Welfare, Office of Education, Washington 25, D. C., for an Investigation of the Role of Colleges and Universities in the Education of the Aged (to be known as Office of Education Project No. 1419 - Internal Action 7/9/62 - Bureau of Educational Research and Service).  
Gross Value - \$48,103.00.
- v. National Science Foundation, Washington 25, D. C., for an Investigation of the Solar Spectrum in the Range 0.295-5.0 Microns (to be known as National Science Foundation Project No. 1482 - New - Department of Physics and Astronomy).  
Gross Value - \$12,100.00.
- w. National Science Foundation, Washington 25, D. C., for Research on Syntactic Analysis (to be known as National Science Foundation Project No. 1483 - New - Department of English).  
Gross Value - \$40,000.00.

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

- x. National Science Foundation, Washington 25, D. C., for an Investigation of Critical Properties of Hydrocarbon Mixtures (to be known as National Science Foundation Project No. 1486 - New - Department of Chemical Engineering).  
Gross Value - \$31,300.00.
- y. National Science Foundation, Washington 25, D. C., for an Investigation of Synthesis and Properties of Intramolecularly Overcrowded Molecules (to be known as National Science Foundation Project No. 1487 - New - Department of Chemistry).  
Gross Value - \$34,600.00.
- z. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Sternberg-Reed Cells in Blood of Hodgkin's Patients (to be known as National Institutes of Health Project No. 1488 - New - Department of Medicine).  
Gross Value - \$9,333.00.
- aa. Quartermaster Research and Engineering Command, U. S. Army, Natick, Massachusetts, for Exploration of Sukkertoppen Ice Cap (to be known as Quartermaster Research and Engineering Command Project No. 1490 - New - Institute of Polar Studies).  
Gross Value - \$5,000.00.
- bb. National Aeronautics and Space Administration, Washington 25, D. C., for an Investigation of Biological Effects of Prolonged Exposure of Small Mammals to Closed Gaseous Environments Low or Free of Nitrogen (to be known as National Aeronautics and Space Administration Project No. 1492 - New - Department of Physiology).  
Gross Value - \$120,000.00.
- cc. Base Procurement Division, Rome Air Material Area, Griffiss Air Force Base, New York, Lectures on Modern Communications Systems (to be known as Rome Air Material Area Project No. 1493 - New - Department of Electrical Engineering).  
Gross Value - \$1,247.00.
- dd. Department of Health, Education and Welfare, Office of Education, Washington 25, D. C., for an Investigation of the Effect of the Knowledge of a Generative Grammar Upon the Growth of Language Complexity (to be known as Office of Education Project No. 1495 - New - University School and Department of Education).  
Gross Value - \$31,174.00.

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

ee. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for Studies on Myocardial Metabolism and Contractility (to be known as National Institutes of Health Project No. 1496 - New - Department of Medicine).  
Gross Value - \$22,918.00.

ff. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for a Phytochemical Study of the Genus *Thalictrum* (to be known as National Institutes of Health Project No. 1497 - New - College of Pharmacy).  
Gross Value - \$11,558.00.

gg. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Origin of Alkaline Phosphatase in Surgical Jaundice (to be known as National Institutes of Health Project No. 1499 - New - Department of Surgery).  
Gross Value - \$27,927.00.

hh. National Science Foundation, Washington 25, D. C., for Identification of Strained Ring Systems in the Near-Infrared (to be known as National Science Foundation Project No. 1500 - New - Department of Chemistry).  
Gross Value - \$16,200.00.

ii. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Chemical Reactions of Coordinated Functional Groups (to be known as National Institutes of Health Project No. 1501 - New - Department of Chemistry).  
Gross Value - \$32,759.00.

TOTAL - Government Contracts - Federal \$822,400.00

2. Industrial and Other Contracts

a. Alloy Casting Institute, 1001 Franklin Avenue, Garden City, New York, for an Investigation of Cast Corrosion Resistant Alloys (to be known as Alloy Casting Institute Project No. 350 - Amend. #14 - Engineering Experiment Station).  
Gross Value - \$24,000.00.

b. University of Illinois, Business Office, Purchasing Division, 203 Administration Building E, Urbana, Illinois, for Transmission of Pulsed Radio Signals at 6.4MC/S (to be known as University of Illinois Project No. 473 - Mod. #32 - Department of Electrical Engineering).  
Gross Value - \$650.00.

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

2. Industrial and Other Contracts (continued)

- c. The Goodyear Tire and Rubber Company, 1144 East Market Street, Akron, Ohio, for an Investigation of Synthesis of Isoprene (to be known as The Goodyear Tire and Rubber Company Project No. 1118 - Ext. #2 - Department of Chemistry).  
Gross Value - \$35,000.00.
- d. Central Ohio Heart Association, 145 North High Street, Columbus 15, Ohio, for an Investigation of the Significance of Mitral Regurgitation in the Pathogenesis of Congestive Heart Failure (to be known as Central Ohio Heart Association Project No. 1314 - Ltr. of 7/27/62 - Department of Veterinary Physiology and Pharmacology).  
Gross Value - \$548.15.
- e. Central Ohio Heart Association, 145 North High Street, Columbus 15, Ohio, for Further Studies of the Release Phase of the Valsalva Maneuver and on the Nature of the Formation of Indicator-Dilution Curves (to be known as Central Ohio Heart Association Project No. 1331 - Ltr. of 7/27/62 - Department of Medicine).  
Gross Value - \$1,241.74.
- f. Central Ohio Heart Association, 145 North High Street, Columbus 15, Ohio, for an Investigation of Factor in Screening for Cardiovascular Disease (to be known as Central Ohio Heart Association Project No. 1387 - Voucher #12661 - Department of Physiology).  
Gross Value - \$3,188.74.
- g. The National Foundation, 800 Second Avenue, New York 17, New York, for Birth Defects Clinical Study Center (to be known as The National Foundation Project No. 1481 - New - Children's Hospital).  
Gross Value - \$90,000.00.
- h. Systems Research Laboratories, Inc., 500 Woods Drive, Dayton 32, Ohio, for Services for Machining, Grinding, Polishing, etc. of Ruby Crystals (to be known as Systems Research Laboratories, Inc. Project No. 1484 - New - Department of Electrical Engineering).  
Gross Value - \$1,452.00.
- i. Columbia Organic Chemicals Co., Inc., 912 Drake Street, Columbia 5, South Carolina, for an Investigation of Synthesis of Special Organic Chemicals (to be known as Columbia Organic Chemicals Co., Inc. Project No. 1485 - New - Department of Chemistry).  
Gross Value - \$5,100.00.

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

2. Industrial and Other Contracts (continued)

- j. Harvard University, Office of Research Contracts, 10 Divinity Avenue, Cambridge 38, Massachusetts, for an Investigation of the Motive for Approval (to be known as Harvard University, Office of Research Contracts Project No. 1489 - New - Department of Psychology).  
Gross Value - \$11,546.00.
- k. American Heart Association, 44 East 23rd Street, New York 10, New York, for Cardiovascular Research (to be known as American Heart Association Project No. 1491 - New - Department of Physiology).  
Gross Value - \$1,000.00.

TOTAL - Industrial and Other Contracts \$173,726.63

The foregoing forty-six contracts for research in cooperation with Government, Industry and Other represent a gross income of \$996,126.63.

Upon motion of Mr. Loop, seconded by Mr. Davis, the research agreements between The Ohio State University and The Ohio State University Research Foundation for the above contracts were unanimously approved.

B. The Report of the Research Contracts  
from the Engineering Experiment Station

During the period from June 30, 1962 through August 24, 1962, the Engineering Experiment Station of The Ohio State University entered into the following research contracts. These research contracts are reported to the Board of Trustees for information and record.

1. Government Research Contracts

- |           |   |
|-----------|---|
| EES 170   | Analysis of Continuous Skewed Slab Bridge Structures, |
| Ext. #2   | Ohio Department of Highways, Columbus, Ohio.          |
|           | Gross Value - \$5,145.00                              |
| <br>      |   |
| EES 197   | Toxic Effects of Metallic Wastes on the Bacterial and |
| Ext. #1   | Biological Processes of Sewage Treatment, Ohio        |
|           | Department of Health, Columbus, Ohio.                 |
|           | Gross Value - \$28,000.00                             |
| <br>      |   |
| EES 208 C | Development of Instrumentation to Measure Pavement    |
|           | Thickness, Ohio Department of Highways, Columbus,     |
|           | Ohio.   |
|           | Gross Value - \$2,500.00                              |

September 7, 1962 meeting, Board of Trustees

### III. GENERAL CONTRACTS AND AGREEMENTS (continued)

#### B. The Report of the Research Contracts from the Engineering Experiment Station

##### 1. Government Research Contracts (continued)

EES 216	Rheologic Properties of Bituminous Concrete, Ohio Department of Highways, Columbus, Ohio. Gross Value - \$27,600.00
EES 217	An Investigation of the Means to Establish Survey Control for Highway Engineering and Right-of-Way Acquisition, Ohio Department of Highways, Columbus, Ohio. Gross Value - \$45,420.00
EES 218	Evaluation of Insulating Materials to Reduce Premature Icing of Bridge Decks, Ohio Department of Highways, Columbus, Ohio. Gross Value - \$57,000.00

The foregoing six contracts for research in the Engineering Experiment Station represent a gross income of \$165,665.00.

#### C. Concession Contract With the David J. Belknap Company

The Board of Trustees on May 5, 1960 authorized a three-year concession contract with the David J. Belknap Company with the condition that the per cent return to the University and the price schedules be negotiated each year following an audit of the Belknap Company's books and records. The financial records of the said company for the fiscal year which ended June 30, 1962 have been examined and found to be in proper order and it is recommended, with the concurrence of the Vice President, Business and Finance, and the Director of Athletics, that the contract be continued with the same price schedule and the same twenty per cent of gross revenue to be paid to the University as was stipulated in the contract for the year 1961-1962.

Upon motion of Mr. Davis, seconded by Mr. Rairdon, the recommendation to continue the concession contract with the David J. Belknap Company was unanimously approved by roll call vote.

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### IV. GRANTS AND GIFTS

The following grants and gifts to the University are hereby reported for the record, and appropriate expression of appreciation has been conveyed.

September 7, 1962 meeting, Board of Trustees

IV. GRANTS AND GIFTS (continued)

A. Administered Through the Office of Business and Finance

1. \$64,040.00 granted by the Department of Health, Education and Welfare, Public Health Service, Division of Nursing Resources, Washington 25, D. C., to the University for "Regular Academic Program," under the direction of Miss Mildred Newton, School of Nursing, for the period September 1, 1962 through August 31, 1963. (Grant NT-29-C6)
2. \$63,968.00 granted by the Department of Health, Education and Welfare, Office of Vocational Rehabilitation, Washington 25, D. C., to the University for "Teaching Grant and Traineeships in Rehabilitation Medicine," under the direction of Dr. Ernest W. Johnson, Department of Physical Medicine and Rehabilitation, for the period September 1, 1962 through August 31, 1963. (Grant OVR 151-63)
3. \$34,582.00 granted by the Department of Health, Education and Welfare, Office of Vocational Rehabilitation, Washington 25, D. C., to the University for "Teaching Grant and Traineeships in Speech Pathology and Audiology," under the direction of Dr. John W. Black, Director, Speech and Hearing Science, Department of Speech, for the period September 1, 1962 through August 31, 1963. (Grant OVR 222-63)
4. \$30,941.00 granted by the U. S. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, to the University for "Undergraduate Training in Psychiatry," under the direction of Dr. Ralph M. Patterson, Department of Psychiatry, for the period September 1, 1962 through August 31, 1963. (Grant 2M-5924-C11)
5. \$25,000.00 granted by the Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, to the University for "Cancer Training," under the direction of Dr. Emmerich von Haam, Department of Pathology, for the period September 1, 1962 through August 31, 1963. (Grant CT-469-C15)
6. \$23,600.00 granted by the Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, to the University for "Undergraduate Training for Dentists on How to Use Dental Assistants," under the direction of Dr. John R. Wilson, College of Dentistry, for the period July 1, 1962 through June 30, 1963. (Grant DSU-5044)
7. \$18,683.00 granted by the Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, to the University for Studies in Ventricular Contractility in Cardiovascular Disease," under the direction of Dr. Arnold M. Weissler, Department of Medicine, for the period July 1, 1962 through June 30, 1963. (Grant HE-K3-13,971-C1)



IV. GRANTS AND GIFTS (continued)

A. Administered Through the Office of Business and Finance (continued)

8. \$14,688.00 granted by the Department of Health, Education and Welfare, Office of Vocational Rehabilitation, Washington 25, D. C., to the University for "Teaching and Traineeship Grant in Physical Therapy," under the direction of Miss Gladys G. Woods, for the period September 1, 1962 through August 31, 1963. (Grant OVR 209-63)
9. \$14,348.00 granted by the U. S. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, to the University for "Undergraduate Training in Psychiatric Nursing," under the direction of Miss Mildred E. Newton, School of Nursing, for the period September 1, 1962 through August 31, 1963. (Grant 2M-6375-C5)
10. \$5,750.00 granted by the Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, to the University for a "Study of the Carcinogenesis of the Female Reproductive Organs," under the direction of Dr. Dante G. Scarpelli, Department of Pathology, for the period July 1, 1962 through June 30, 1963. (Grant GM-K3-15,104-C5-B Corollary to GM-K3-15,104-C5-A)
11. \$5,000.00 granted by the Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, to the University for "Cancer Training," under the direction of Dr. John R. Wilson, College of Dentistry, for the period September 1, 1962 through August 31, 1963. (Grant CT-513-C15)
12. \$3,715.00 granted by the Department of Health, Education and Welfare, Office of Vocational Rehabilitation, Washington 25, D. C., to the University for "Traineeships in the Field of Occupational Therapy," under the direction of Miss Barbara Locher, Department of Occupational Therapy, for the period September 1, 1962 through August 31, 1963. (Grant OVR 176-63)
13. \$3,000.00 granted by the Department of Health, Education and Welfare, Public Health Service, Bureau of State Services, Division of Community Health Services, Washington 25, D. C., to the University for "Registered Nurses to Complete Training for Public Health Nursing," under the direction of Frances M. Pease, School of Nursing, for the period July 1, 1962 through June 30, 1963. (Grant 63-530)
14. \$2,000.00 granted by the Department of Health, Education and Welfare, Office of Vocational Rehabilitation, Washington 25, D. C., to the University for a "Traineeship Grant in Social Work," under the direction of Kenneth W. Hamilton, School of Social Work, for the period September 1, 1962 through August 31, 1963. (Grant OVR 301-63)

TOTAL - Through Office of Business and Finance \$309,315.00

September 7, 1962 meeting, Board of Trustees

IV. GRANTS AND GIFTS (continued)

B. Received Through the Development Fund

1. \$167,357.91 in securities to be added to the LeCrone-Baxter Memorial Fund. These securities are listed at their mean market price as of July 11, 1962:

472 shares American Machine & Foundry Company common stock	\$ 11,180.50
346 shares American Telephone and Telegraph Company common stock	38,600.62
200 shares Armco Steel Corporation common stock	9,687.50
120 shares Bethlehem Steel Corporation common stock	4,087.50
114 shares The Borden Company common stock	5,450.62
100 shares Columbus & Southern Ohio Electric Company common stock	5,862.50
40 shares E. I. Du Pont de Nemours & Company common stock	7,280.00
166 shares Eastman Kodak & Company common stock	15,458.75
126 shares General Motors Corporation common stock	6,040.12
125 shares Halliburton Oil Well Cementing Company common stock	6,500.00
106 shares Jones & Laughlin Steel Corporation common stock	4,948.87
132 shares Republic Steel Corporation common stock	5,271.75
389 shares Sperry Rand Corporation common stock	5,762.06
100 shares Standard Oil Company (of Indiana) common stock	4,506.25
298 shares Texaco, Inc. common stock	15,458.75
50 shares Union Carbide and Carbon Corporation common stock	4,500.00
240 shares United States Steel Corporation common stock	11,115.00
111 shares Socony Mobil Oil Company, Inc. common stock	5,647.12
Total	<u>\$167,357.91</u>

The above securities received from the Estate of Helen L. Baxter, deceased, for the LeCrone-Baxter Memorial Fund makes a total of \$302,357.91 received from this Estate.

IV. GRANTS AND GIFTS (continued)

B. Received Through the Development Fund (continued)

2. \$57,830.28 to be deposited in the Ohio 4-H Club Foundation in accordance with a Trust Agreement between Mr. Harry English, deceased, and The National Bank of Decatur, Illinois. This Fund shall be known as the

Harry and Katherine C. English Memorial Fund

The Harry and Katherine C. English Memorial Fund was established July 23, 1962, by a gift through the Development Fund from a trust created by Harry English, deceased, to be invested in accordance with Sec. 3345.16 G. C., the income to be used in the same manner and according to the same regulations as prescribed for Ohio 4-H Club Foundation.

(This brings the total funds deposited in the Ohio 4-H Club Foundation to \$259,231.88.)

3. \$27,500.00 - A transfer of the residence of May Lynas Bibbee, deceased, located at 194 King Avenue, to the Board of Trustees of The Ohio State University to be held in accordance with Section 3335.12 G. C. This gift and devise is in memory of Mrs. Bibbee's husband, George Edgar Bibbee, and is to be used for the first ten years for the benefit and use of student nurses. The inventory for the Estate of May L. Bibbee, deceased, lists the value of this property at \$27,500.00. The description of the real estate for said transfer to the Board of Trustees under this devise is as follows:

Being Lots Numbers One (1) and Two (2) of Elizabeth J. McMillen's 2nd Subdivision, in the City of Columbus, Ohio, as the same are designated and delineated on the plat of said subdivision in the Recorder's Office, Franklin County, Ohio, in Plat Book No. 3, page 334.

4. \$10,000.00 from the Bremer Foundation in support of medical research in the College of Medicine during the year 1962-1963. This amount has been deposited in Rotary 21532.
5. \$8,550.00 - A gift of 13 Santa Gertrudis cattle from Thomas S. Ireland to The Ohio State University to be added to the livestock inventory of the Department of Animal Science. The appraised value of the cattle is \$8,550.00.
6. \$5,440.00 - A Warranty Deed from Byrnece R. Kinneary to The Ohio State University for real estate appraised at \$5,440.00 and described as follows:

Situated in the County of Franklin in the State of Ohio and in the City of Columbus and bounded and described as follows:

IV. GRANTS AND GIFTS (continued)

B. Received Through the Development Fund (continued)

6. \$5,440.00 - A Warranty Deed from Byrnece R. Kinneary (continued)

Lot Nos. 159, 160, 161, 162, 163, 164, 165 and 166 of Thompson's Northwood Heights Addition, as the same are numbered upon the recorded plat thereof, of record in Plat Book 5, page 236, Recorder's Office, Franklin County, Ohio.

The property described herewith is to be held by the Board of Trustees in accordance with Sec. 3335.12 G. C.

7. \$2,000.00 for the Jacob E. Davis Fund for College of Law.  
\$2,059.62 for the Jacob E. Davis Scholarship Fund for School of Social Work.

Mr. and Mrs. Jacob E. Davis gave to the University 200 shares of The Kroger Company common stock which was sold August 17, 1962 and the net proceeds of \$4,059.62 were deposited as indicated above.

8. \$3,600.00 from The Mosaic Tile Company for a fellowship in Ceramic Engineering.
9. \$3,000.00 from Union Carbide Corporation for research in Mechanical Engineering.
10. \$2,004.00 from the Northwest Kiwanis Club (Grandview and Upper Arlington, Ohio) for a research assistantship in guidance in the Department of Education. Three hundred dollars is to be used for supplies.
11. \$1,622.50 from the Mark L. Morris Animal Foundation for research in Veterinary Medicine.
12. \$1,149.73 from the Emma Alice Snyder Trust for the Maybelle McCarty Snyder Fund. This money is to be used for the study of prevention and/or treatment of cancer.
13. \$1,000.00 from the Lutheran Brotherhood Life Insurance Company for a fellowship in the Graduate School.
14. \$1,000.00 from The Rapid American Foundation, Inc. for undergraduate scholarships.
15. \$1,000.00 from The Pittsburgh Plate Glass Foundation to be used by the Department of Chemical Engineering.

TOTAL - Through the Development Fund \$295,114.04

Upon motion of Mr. Rairdon, seconded by Mr. Loop, the above report of grants and gifts was accepted, and the Secretary was instructed to include the report in the minutes of this meeting.

September 7, 1962 meeting, Board of Trustees

IV. GRANTS AND GIFTS (continued)

C. Report from The Ohio State University Development Fund

In July, 1962, The Ohio State University Development Fund received gifts on behalf of the University as follows:

	<u>Number of Gifts</u>	<u>Amount</u>
Alumni	1,401	\$205,951.02
Individuals, Other Than Alumni	46	1,541.85
Non-Profit Organizations	25	123,421.10
Business Concerns	32	58,925.00
	<u>1,504</u>	<u>\$389,838.97</u>

Of these gifts, 1,236 totaling \$13,837.78 were undesignated and 268 totaling \$376,001.19 were designated.

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V. APPROPRIATIONS AND TRANSFER OF FUNDS

A. The Ohio State University Association

It is recommended that an amount not to exceed \$8,000.00 be allocated to The Ohio State University Association from the University Maintenance Funds for services to the University for the period from July 1, 1962 through June 30, 1963.

Upon motion of Mr. Patton, seconded by Mr. Davis, the above recommendation for allocation of funds was unanimously approved by roll call vote.

B. The Ohio State University Development Fund Budget for 1962-1963

It is recommended that the sum not to exceed \$85,000.00 be allocated from the University Maintenance Funds toward the operating expenses of The Ohio State University Development Fund for the fiscal year ending June 30, 1963 and that an operating budget in the amount of \$135,008.00 be approved. The budget amount will be provided as follows:

University Allocation	\$ 85,000.00
Cumulative Interest on Development Fund Investments	<u>50,008.00</u>
	<u>\$135,008.00</u>

Upon motion of Mr. Rairdon, seconded by Mr. Allyn, the above recommendation for allocation of funds was approved by roll call vote. Mr. Alan B. Loop did not vote for the reason that he serves as a member of the Board of Directors of The Ohio State University Development Fund.

V. APPROPRIATIONS AND TRANSFER OF FUNDS (continued)

C. Site Improvement Between Derby Hall and School of Art Building

At the request of the Vice President, Business and Finance, and with the concurrence of the Cabinet, it is recommended that an amount not to exceed \$21,600.00 be appropriated from the University Treasurer's General Account to provide funds for the project - Site Improvement Between Derby Hall and School of Art Building.

Upon motion of Mr. Loop, seconded by Mr. Davis, the above recommendation for appropriation of funds was unanimously approved by roll call vote.

D. Numerical Computation Laboratory

The Numerical Computation Laboratory requires additional support for the current year in order to accomplish the transition from the 709 to the 7090 computer and to provide help in an interim period when the Numerical Computation Laboratory is picking up an ever-increasing teaching load. Ultimately, the teaching load will be borne entirely by regular A-1 funds and maintenance, but until such time as it is possible to budget for this facility in the next biennium, the costs must be carried.

It is therefore proposed to meet these expenses as follows:

1. An amount of not to exceed \$100,000.00 to be appropriated from the military portion of the Mershon Fund.
2. An amount not to exceed \$100,000.00 to be taken from research indirect costs and placed in a fund available only to the Numerical Computation Laboratory.

At the request of the Vice President, Business and Finance, and with the concurrence of the Cabinet, it is recommended that the above proposal be approved.

Upon motion of Mr. Davis, seconded by Mr. Patton, the above recommendation for appropriation of funds was unanimously approved by roll call vote.

E. Appropriations for the Development of Research Projects

At the request of the Vice President, Instruction and Research, and with the concurrence of the Cabinet, it is recommended that the following amounts be appropriated from the University Treasurer's Research Subaccounts as designated, for the projects named:

Equipment for Research Laboratories in the Department of Chemistry.	\$33,520.00	Subaccount (a)
Soundproof Room and Associated Equipment for Research in Linguistics - Department of English.	11,100.00	Subaccount (b)

September 7, 1962 meeting, Board of Trustees

V. APPROPRIATIONS AND TRANSFER OF FUNDS (continued)

E. Appropriations for the Development of Research Projects (continued)

Construction of a Crystal-Growing Facility for the Electron Device Laboratory. This project is being developed in cooperation with the Department of Mineralogy.	\$25,000.00	Subaccount (b)
Equipment for the Institute for Research in Vision.	14,000.00	Subaccount (a)
Research in Apiculture to be conducted by the Department of Zoology and Entomology and housed in facilities of the Department of Poultry Science.	28,500.00	Subaccount (b)

Upon motion of Mr. Loop, seconded by Mr. Rairdon, the above recommendation for appropriation of funds was unanimously approved by roll call vote.

F. Appropriations for University Administrative Officials

Mr. Thomas Patton, Chairman, Finance and Investment Committee, presented the recommendation that the following amounts be appropriated from the unrestricted interest on endowment funds in the University Treasury to the administrative officers of the University for the purpose of carrying out their official responsibilities during the 1962-1963 fiscal year: to the President, \$7,500.00; (2) to each of the persons in the following Cabinet offices, \$1,000.00 - Vice President, Instruction and Research; Vice President, Business and Finance; Vice President and Secretary; Executive Dean, Special Services; Executive Dean, Student Relations; Executive Director, Campus Planning; Executive Director, University Relations; Executive Assistant to the President and Director, Personnel Budget; and (3) an additional amount of \$1,000.00 to be allocated at the discretion of the President for such costs as may be incurred by the administrative officers as they, by direction, further the fiscal progress of the University.

Upon motion of Mr. Patton, seconded by Mr. Rairdon, the above recommendation was unanimously approved by roll call vote.

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VI. EXTRA ORDERS TO CONTRACTS

At the request of the Council on Business Affairs, and with the concurrence of the Cabinet, it is recommended that the Extra Orders to Contracts as outlined below be approved by the Board of Trustees and submitted to the Director of Finance, State of Ohio, for approval and allocation of funds as indicated in each case.

VI. EXTRA ORDERS TO CONTRACTS (continued)

A. Botany and Zoology Building, Remodeling and Expansion

1. General Contract

It is recommended that 6" of stone be provided applied in two courses and 2" of hot mix asphaltic concrete, type "C," in lieu of 4" of stone paving in the parking area north of the north wing.  
Add \$3,715.00.

2. Heating, Ventilating and Air Conditioning Contract

It is recommended that the following changes be made:

- a. Replace existing radiator valves with new valves, unions and connections. Add \$2,107.00.
- b. Provide steel frame to support existing air conditioning unit over new convector in Room 313. Add \$82.00.
- c. Move existing water cooler in first floor corridor to clear new return air shaft. Add \$135.00.

Total addition, \$2,324.00.

3. Electrical Contract

It is recommended that the following changes be made:

- a. Relocate outlets, conduit and wiring which conflicts with the installation of new convectors in existing building. Add \$449.00.
- b. Change the electric service in various rooms from four 50 amp., 3 phase lines to two 200 amp. single phase lines with necessary changes in circuit breakers, fuses, etc. Add \$448.00.
- c. Provide conduit and wiring to connect disconnect switches in elevator penthouse to Elevator Controller. Add \$73.00.
- d. Provide a total of four light fixtures, two duplex receptacles and necessary conduit, wiring and switches in elevator penthouse and water tank enclosure. Add \$192.00.
- e. Move conduits, stubbed up in concrete slab in Room 58 where location of partition was changed 4". Add \$25.00.



September 7, 1962 meeting, Board of Trustees

VI. EXTRA ORDERS TO CONTRACTS (continued)

A. Botany and Zoology Building, Remodeling and Expansion (continued)

3. Electrical Contract (continued)

- f. Provide two floodlights with 1000 watt mercury vapor lamps and mounting brackets, mounted on roof of new north wing including all necessary wiring, conduit and a time clock with electric eye control. Add \$800.00.

Total addition, \$1,987.00

Total addition    \$8,026.00

Funds will be provided from Account 19916 Extra Orders and Architect's Fees.

B. Dormitory "F" for Women (Morrison Tower)

Electrical Contract

It is recommended that the following changes be made:

1. Provide one housephone in Ironing Rooms 621 and 921; one outside telephone outlet and one housephone in Meeting Room 14; and relocate outside telephone outlet and housephone in Office Room 25 and blank out existing outlets for possible future use. Add \$574.00.
2. Furnish and install two lamp standard foundations on the 11th Avenue side of the dormitory with 1 1/2" underground conduit feeders connected to existing street light feeder line. Add \$413.00.

Total addition    \$ 987.00

Funds for these extra orders will be provided from Dormitory Construction Funds.

C. Men's Housing No. 1 and 2, Dining Facility

Plumbing Contract

It is recommended that two hot water line extensions and hose bibbs be provided in the areas adjacent to the conveyor belt in the kitchen area.

Add    \$ 276.00

Funds for this extra order will be provided from Dormitory Construction Funds.

VI. EXTRA ORDERS TO CONTRACTS (continued)

D. Mathematics Building

Electrical Contract

It is recommended that one mercury vapor, 1000 watt flood light for the parking area be provided and installed on the east wall of the original building complete with connections at receptacle in Penthouse, a time clock, photo-electric cell and all conduit and wiring.

Add      \$ 578.00

Funds for this extra order will be provided from Account 19916 Extra Orders and Architect's Fees.

E. Addition to School of Art Building

General Contract

It is recommended that all labor and materials be provided for necessary work as indicated on the Landscape Planting Plan for a Sculpture Court.

Add      \$1,875.00

Funds for this extra order will be provided from Account 19916 Extra Orders and Architect's Fees.

F. Repairs to Concrete Curbs on the Streets on Campus

It is recommended that two turnouts be built on Stadium Drive and additional curbs be replaced in the total of 520'.

Add      \$1,690.00

Funds for this extra order are available in Maintenance Account 200, H.B. 1123.

G. Motor Truck Platform Scales for Power Plant

It is recommended that the following changes be made:

1. Substitute aluminum conduit for specified conduit. Add \$230.00.
2. Install a third man-way in the scale platform to provide better access to scale parts. Add \$70.00.
3. Lower the drain for the scale pit. Add \$40.00.
4. Saw off the ends of several dozen railroad ties. Add \$30.00.
5. Increase the excavation. Add \$35.00.

September 7, 1962 meeting, Board of Trustees

VI. EXTRA ORDERS TO CONTRACTS (continued)

G. Motor Truck Platform Scales for Power Plant (continued)

6. Install special anchor bolts. Add \$30.00.

7. Modify steel work. Add \$220.00.

Total addition                      \$     655.00

Funds for this extra order will be provided from Department 3108, Budget Account 18504.

H. Structure to House Van de Graaff Generator

1. General Contract

It is recommended that all work be provided as outlined in the original specifications under the following alternates:

a. G-1 Site Improvement	\$ 2,969.00
b. G-2 Remodeling in Existing Building	4,928.00
c. G-3 Sliding Concrete Doors	3,957.00
d. Cranes	9,835.00
Total	<u>\$21,689.00</u>

2. Electrical Contract

It is recommended that all work be provided as outlined in the original specifications under the following alternates:

a. E-1 High Voltage Electrical Services	\$ 8,330.00
b. E-2 Remodeling in Existing Building	3,190.00
c. E-3 Operators for Concrete Doors	4,420.00
d. E-4 Electric for Air Conditioning in Target Room	180.00
e. Electric Connections for Cranes	457.00
Total	<u>\$16,577.00</u>

3. Plumbing Contract

It is recommended that all work be provided as outlined in the original specifications under the following alternate:

a. P-1 Disconnect Existing Services	\$     50.00
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4. Heating, Ventilating and Air Conditioning Contract

It is recommended that all work be provided as outlined in the original specifications under the following alternates:

VI. EXTRA ORDERS TO CONTRACTS (continued)

H. Structure to House Van de Graaff Generator (continued)

4. Heating, Ventilating and Air Conditioning Contract (continued)

a. HV-1 Remodeling in Existing Building	\$ 1,475.00
b. HV-2 Air Conditioning for Target Area	2,150.00
Total	\$ 3,625.00

Total addition \$41,941.00

Funds will be provided for these extra orders from Account 19916 Extra Orders and Architect's Fees.

I. Veterinary Clinical Unit Building

Electrical Contract

It is recommended that the following changes be made:

1. Provide mercury vapor floodlighting to illuminate the south and west parking areas including four 1000 watt lights and one 400 watt light mounted just below the parapet on the exterior walls, controlled by a photo-electric cell, a two-pole contactor and a time clock and fed from a spare 3-pole disconnect switch in the penthouse. Add \$2,039.00.
2. Substitute wall mounted fixtures and ceiling mounted fixtures for germicidal fixtures for ultraviolet ray locks. Add \$736.00.

Total addition \$ 2,775.00

Funds for these extra orders will be provided from Account 19916 Extra Orders and Architect's Fees.

Upon motion of Mr. Davis, seconded by Mr. Rairdon, the above recommendations individually and collectively were approved by unanimous roll call vote.

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VII. PLANS AND SPECIFICATIONS

With the approval of the Council on Business Affairs, and with the concurrence of the Cabinet, it is recommended that the plans and specifications, bills of materials and estimates of cost for the following projects be approved by the Board of Trustees:

A. Repairs and Replacement to Gas Line to the Small Animal Buildings

Funds for this project will be provided from Department 2355, Budget Account 12350, H.B. 1123.

VII. PLANS AND SPECIFICATIONS (continued)

B. Derby Hall - Repairs to Walks and Planting

Funds for this project will be provided from Account 19999, University Treasurer General Fund.

C. Veterinary Clinical Unit Building - Planting

Funds for this project will be provided from Account 710 Veterinary Clinical Unit Building, H. B. 1123.

D. Hangar #4, University Airport, Phase I

Funds for this project, which is in conformity with the Master Plan, will be provided from Account 19920, Construction of Aircraft Hangar, University Airport, University Treasurer Account.

Upon motion of Mr. Allyn, seconded by Mr. Davis, the above recommendation was unanimously approved by roll call vote, and the Secretary was authorized and directed to sign the plans and specifications for the above projects for and on behalf of the Board of Trustees. Vice President Carson was directed to proceed with a request for bids in the normal University manner and if satisfactory bids are received, to proceed with the award of contracts. All action regarding this matter shall be reported to the Board of Trustees at a later meeting.

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VIII. REPORT OF AWARD OF CONTRACTS

In accordance with authorization provided by the Board of Trustees, the contracts for the following projects have been recommended for award and the action is hereby reported to the Board:

A. Repair and Replace Piping for Filters in Pomerene Hall

Bids were received on July 16, 1962 for this project and the award of contracts recommended to the lowest and best bidder as follows:

	<u>Low Bid</u>	<u>Est. of Cost</u>
(4 bids received)		
Huffman-Wolfe Company (Columbus)	\$ 7,770.00	\$18,000.00

Funds for this project will be provided from Department 2355, Budget Account 12350.

B. Interior Painting and Patch Plastering of Horticulture and Forestry Greenhouses, Physics Building, Test Laboratory and Research Center (Two Story Part)

Bids were received on July 16, 1962 for this project and all three bids were above the estimate of cost of \$30,005.00. Accordingly, the estimate of cost was revised and bids were received as a result of readvertising on August 2, 1962 and the award of contract recommended to the lowest and best bidder as follows:

VIII. REPORT OF AWARD OF CONTRACTS (continued)

B. Interior Painting and Patch Plastering of Horticulture and Forestry Greenhouses, Physics Building, Test Laboratory and Research Center (Two Story Part) (continued)

	<u>Low Bid</u>	<u>Est. of Cost</u>
(3 bids received)		
Madias Brothers, Incorporated (Detroit)	\$27,740.00	\$35,000.00

Funds for this project will be provided from Department 2355, Budget Account 12350.

C. Repair by Replacement The Three-Inch Condensate Return Line in Baker Hall Tunnel

Bids were received on July 16, 1962 for this project and the award of contract recommended to the lowest and best bidder as follows:

	<u>Low Bid</u>	<u>Est. of Cost</u>
(5 bids received)		
Huffman-Wolfe Company (Columbus)	\$ 5,850.00	\$ 9,000.00

Funds for this project will be provided from Department 2355, Budget Account 12350.

D. Wall Washing Seven Buildings

Bids were received on July 16, 1962 for this project and the award of contract was recommended to the lowest and best bidder as follows:

	<u>Low Bid</u>	<u>Est. of Cost</u>
(3 bids received)		
Ohio Window Cleaning Company (Columbus)	\$21,885.00	\$28,075.00

Funds for this project are available in Department 2355, Budget Account 12350.

E. Exterior Painting of Twenty-Four Buildings

Bids were received on July 16, 1962 for this project and the award of contract was recommended to the lowest and best bidder as follows:

	<u>Low Bid</u>	<u>Est. of Cost</u>
(5 bids received)		
Harold F. Mollenauer (Columbus)	\$26,760.00	\$32,455.00

Funds for this project are available in Department 2355, Budget Account 12350.

F. Repair and Resurface Sidewalks on Campus

Bids were received on August 2, 1962 for this project and the award of contract was recommended to the lowest and best bidder as follows:

VIII. REPORT OF AWARD OF CONTRACTS (continued)

F. Repair and Resurface Sidewalks on Campus (continued)

	<u>Low Bid</u>	<u>Est. of Cost</u>
(2 bids received)		
Trimmer Construction Co. (Columbus)	\$19,222.00	\$20,000.00

Funds for this project are available in Department 2355, Budget Account 12350.

G. Repair and Replace Roof on University Hospital

Bids were received on August 2, 1962 for this project and the award of contract was recommended to the lowest and best bidder as follows:

	<u>Low Bid</u>	<u>Est. of Cost</u>
(2 bids received)		
General Maintenance and Engineering Company (Columbus)	\$20,325.00	\$43,000.00

Funds for this project are available in Department 2355, Budget Account 12350.

H. Industrial Engineering Building - Repairs

Bids were received on August 20, 1962 for this project and the award of contract recommended to the lowest and best bidder as follows:

	<u>Low Bid</u>	<u>Est. of Cost</u>
(7 bids received)		
Pendleton Construction Co. (Columbus)	\$ 6,929.00	\$ 7,200.00

Funds are available in Department 2355, Budget Account 12350 for this project.

Upon motion of Mr. Patton, seconded by Mr. Loop, the above award of contracts and expenditure of funds were approved and the action of the Vice President, Business and Finance, was ratified by unanimous roll call vote.

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IX. CONTROLLING BOARD APPROVALS

Each numbered approval shown below accomplishes the following purposes:

- 8 Approves 10-day advertising for the following projects: Repair by Replacement of 3" Condensate Return Line in Baker Hall Tunnel; Painting Exterior of 24 Buildings; Interior Painting and Patch Plastering of Horticulture and Forestry Greenhouses, Physics Building, Test Laboratory and Research Center (Two Story Part); Wall Washing Seven Buildings; Repair and Replace Roof on University Hospital; Repair and Resurface Sidewalks on Campus; and Repair and Replace Piping for Filters in Pomerene Hall.

IX. CONTROLLING BOARD APPROVALS (continued)

- 17 Approves the transfer of the following accounts and their balances from H.B. 390 to H.B. 1123 for current expenditure: 710 Veterinary Clinical Unit Building; 717 Structure to House Van de Graaff Generator; and 720 Housing for Metallurgical Laboratory.
- 18 Approves the extra order to the contract "Repairs to Concrete Curbs on Campus" in the amount of \$1,690.00 payable from Maintenance Account 200, H.B. 1123.
- 19 Approves the expenditure of \$62,265.00 from Maintenance Account 200, H.B. 1123, for contracts for four repair projects as follows:

Exterior Painting of Twenty-Four Buildings	\$26,760.00
Wall Washing Seven Buildings	21,885.00
Repair and Replacement of the Three-Inch Condensate Return Line in Baker Hall Tunnel	5,850.00
Repair and Replace Piping for Filters in Pomerene Hall	7,770.00

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X. MISCELLANEOUS FROM OFFICE OF BUSINESS AND FINANCE

A. Hangar No. 4 - University Airport

It is recommended that Fred E. Wright & Wm. W. Gilfillen, Columbus, Ohio, be employed to provide complete architectural and engineering services for this project including preliminary plans, basic drawings, working drawings, specifications, estimate of cost, necessary bidding documents and complete supervision of construction.

The fee for this service will be calculated on a percentage basis of 6 per cent of the cost of the contract or an estimated fee of \$13,986.00. Funds will be provided from the University Treasurer General Fund as part of the advance reserved for the project.

Upon motion of Mr. Davis, seconded by Mr. Patton, the above recommendation was unanimously approved by roll call vote.

B. Ohio State - Miami University Dayton Campus

It is recommended that the architectural firm of Lorenz and Williams, Dayton, Ohio, be employed to provide complete architectural and engineering services for this project at a fee calculated on a percentage basis of 5.87 per cent of the cost of the contracts or an estimated fee of \$135,010.00. Funds for this fee will be provided from Account 91017 OSU-Miami Dayton Campus.

Upon motion of Mr. Rairdon, seconded by Mr. Loop, the above recommendation was approved by roll call vote. Mr. Allyn did not vote on this motion because of his personal involvement in the OSU-Miami Project.



X. MISCELLANEOUS FROM OFFICE OF BUSINESS AND FINANCE (continued)

C. Ohio State - Miami University Dayton Campus

It is recommended that the architectural firm of Lorenz and Williams, Dayton, Ohio, be employed to provide a complete master plan for the Dayton Campus at a fee of \$5,000.00. Funds for this service will be provided from Account 91017 OSU-Miami Dayton Campus.

Upon motion of Mr. Rairdon, seconded by Mr. Loop, the above recommendation was approved by roll call vote. Mr. Allyn did not vote on this motion because of his personal involvement in the OSU-Miami Project.

D. Purchase of Buildings and Property, 172 West 10th Avenue

With telephone approval of the Finance and Investment Committee of the Board of Trustees, the Vice President, Business and Finance, purchased the following property from Carl B. Mellman at a price of \$18,000.00:

Property known as 172 West 10th Avenue being part of Reserve "B" of University Heights Addition, City of Columbus, County of Franklin, State of Ohio.

Funds for this purchase were provided from The Ohio State University Investment Fund.

Upon motion of Mr. Davis, seconded by Mr. Patton, the above action of the Vice President, Business and Finance, was unanimously ratified by roll call vote.

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XI. RESOLUTIONS IN MEMORIAM

President Fawcett reported to the Board the deaths of George Adison Bole, Professor Emeritus of Ceramic Engineering, Ward Glen Reeder, Professor Emeritus of Education, and Shephard Liverant, Associate Professor of Psychology, and in accordance with the instructions of the Board of Trustees copies of the following resolutions expressing on behalf of the University the sorrow and sympathy of the Board have been furnished the families of the deceased.

A. George Adison Bole

The Board of Trustees expresses its sorrow at the death on July 22, 1962 of George Adison Bole, Professor Emeritus of Ceramic Engineering.

George Adison Bole was born in Beaver Falls, Pennsylvania, February 29, 1884. He received his B.S. degree in 1906 from Geneva College and his M.S. degree in physical chemistry from Columbia in 1912. Alfred University conferred an honorary Doctor of Science degree on him in 1930, and a similar recognition was accorded him by Geneva College in 1935.

Dr. Bole began his professional career as a high school instructor in chemistry in 1907. In 1909 he joined the Corps of Engineers and continued with that organization until 1912, when he returned to the teaching profession

XI. RESOLUTIONS IN MEMORIAM (continued)

A. George Adison Bole (continued)

as professor of chemistry at Alfred University. He was head of the chemistry department at Alfred for nine years. Courses in physical chemistry as applied to ceramics were developed by him, as well as courses in the use of industrial fuels. He also was Athletic Director at Alfred. He came to Columbus in 1921 as superintendent of the Columbus Section of the U. S. Bureau of Mines, where he continued research in industrial fuels as applied to ceramic processes. During this time he also contributed much to the technology of oxychloride cements and high temperature oxidation processes.

Dr. Bole joined the faculty of the Department of Ceramic Engineering at The Ohio State University in 1926 and was research professor in that Department and the Engineering Experiment Station. He was named emeritus professor on retirement in 1954. During his career at The Ohio State University he was particularly active in the fields of colloid chemistry and refractory technology. His contributions in these areas were significant, leading to the development of the insulating refractory industry on a national basis and to the expansion of the clay and silica refractory industries in Ohio. During and after World War II, he made substantial contributions to the development of ceramic-metal systems in the field of oxide and carbide cermets. His research in the field of expanded aggregates has had much to do with the development of new products for the structural industry and the expansion of the light-weight structural products industry generally. He also made substantial contributions in improved methods of manufacturing dinnerware and stabilization of glazes and colors. Perhaps his most significant accomplishment was the profound influence he exercised on the character and ability of the many graduate students who studied under him.

Dr. Bole assisted in organizing the Ohio Ceramic Industries Association and acted as its secretary for several years. During his career at the University, he was for some time manager of the Edward Orton Jr. Ceramic Foundation.

He was a member and fellow of the American Ceramic Society, serving as its president in 1929-30. Honorary membership was conferred on him in 1960. He was also a member of the American Institute of Mining and Metallurgical Engineers, the American Society for Testing Materials, the American Foundrymen's Society, the National Research Council, the Society for the Promotion of Engineering Education, the American Refractories Institute, The American Institute of Chemists, the German Ceramic Society, Sigma Xi, Phi Lambda Upsilon, and Delta Sigma Phi.

In his passing, the field of ceramics has lost one of its pioneers in education, research, and technology. His students and associates will remember him as a sympathetic and inspiring friend.

On behalf of the entire University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It is directed that this resolution be inscribed upon the minutes of the Board of Trustees.

XI. RESOLUTIONS IN MEMORIAM (continued)

B. Ward Glen Reeder

The Board of Trustees expresses its sorrow at the death on Friday, July 20, 1962, of Ward Glen Reeder, Professor Emeritus of Education.

Ward Glen Reeder was born in Windfall, Indiana, on March 7, 1891. He attended Indiana University where he received his A.B. in 1914. Graduate studies at the University of Chicago culminated in the Ph.D. degree in 1921.

Dr. Reeder served as a teacher, principal and superintendent of schools in the State of Indiana from 1910 to 1918. From 1919 to 1922 he served on the faculty at Minnesota State Teachers College, Morehead, Minnesota, as Professor of Education and head of the Department of Education. In 1922 he joined the faculty of The Ohio State University as Assistant Professor of School Administration. In 1928 he became Associate Professor of Education, and in 1933 he attained the rank of Professor of Education which he held until his retirement in 1956.

He was a member of the National Education Association, the American Association of School Administrators, the American Educational Research Association, the Ohio Education Association, the Society for the Advancement of Education, Phi Delta Kappa, Phi Sigma Pi, and the Free and Accepted Masons. He has served on many state and national professional committees, such as the Joint Legislative Committee Investigating County and State School Aid and the National Survey on School Finance. He is listed among those eminent Americans whose biography appears in Who's Who in America.

Dr. Reeder authored more than twenty books in the field of Education. Among his major contributions were, The Business Administration of a School System, Public School Relations, First Course in Education, Fundamentals of Public School Administration, and School Boards and Superintendents. He was well known nationally for his contributions as visiting professor at such institutions as the University of California, the University of Michigan, the University of Minnesota, and the University of Pittsburgh. In addition, he participated as a consultant to the U. S. Office of Education and to public school surveys in Ohio, Michigan, West Virginia, Pennsylvania, and Indiana.

He was an outstanding teacher; he challenged his students to thoughtful consideration of the myriad of problems--social, personal, psychological, and technical--in the field of educational administration; he took the time needed to personalize his teaching despite large classes and heavy teaching loads; he inspired in his students a desire to do thorough and rigorous research as a basis for making educational and administrative decisions.

In his passing, educational administration has lost one of its outstanding scholars, a pioneer in the development of the professional literature in the field; his former colleagues and students, a friend and teacher of high integrity and professional standards.

On behalf of the entire University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It is directed that this resolution be inscribed upon the minutes of the Board of Trustees.

XI. RESOLUTIONS IN MEMORIAM (continued)

C. Shephard Liverant

The Board of Trustees expresses its sorrow at the death on August 21, 1962 of Shephard Liverant, Associate Professor of Psychology.

Doctor Liverant was born in New York City on October 4, 1927. He was educated at the Universities of New Mexico and Colorado. The University of New Mexico awarded him the B.S. degree in 1950 and the M.S. in 1952; the University of Colorado conferred his Ph.D. in 1956.

During the years 1956-1957, Doctor Liverant was an Assistant Professor in the Department of Psychology and Acting Director of Psychological Services in the Department of Psychiatry of the Medical School at the University of North Carolina. He came to The Ohio State University in 1957.

Doctor Liverant was a dedicated scholar, scientist, and teacher. He was never content with ideas; as a psychologist and teacher, his struggles to examine, perfect, and polish them leave an indelible mark on his students and colleagues. His contributions to the fields of clinical, personality, and social psychology were indeed significant.

On behalf of the entire University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It is directed that this resolution be inscribed upon the minutes of the Board of Trustees.

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XII. REPORTS

A. Staff Reports from Members of the President's Cabinet

President Fawcett presented a statement of introduction to staff reports by members of the President's Cabinet concerning the activities and problems related to their special areas of interest and responsibility. The President's statement placed in excellent perspective some of the most significant problems that face The Ohio State University and some of the basic decisions that must be made in the months immediately ahead.

The Secretary was instructed to file a copy of the President's statement and each Cabinet Officer's report with the official records of the Board of Trustees.

B. Distribution of Annual Financial Reports 1961-1962

Vice President Gordon B. Carson distributed and reviewed in detail the Annual Financial Report of the University for the fiscal year beginning July 1, 1961 and ending June 30, 1962, in which was contained the State Auditor's Report on the assets and liabilities and fund equities of the University.

XII. REPORTS (continued)

B. Distribution of Annual Financial Reports 1961-1962 (continued)

Vice President Carson also distributed and commented briefly on the financial report of The Ohio State University Endowment Fund.

Upon motion of Mr. Allyn, seconded by Mr. Rairdon, and by unanimous roll call vote, the above reports were accepted and ordered to be filed with the official documents of the Board of Trustees.

C. Report from the Retirement and Insurance Committee

Vice President Carson presented a report on the Statement of Insurance in Force as of September 1, 1962.

Upon motion of Mr. Rairdon, Chairman of the Committee on Retirement and Insurance, seconded by Mr. Davis, by unanimous roll call vote the report was accepted and ordered to be filed with the official documents of the Board of Trustees.

D. Report on Investment Portfolio

The report on the University's Investment Portfolio dated August 31, 1962, was presented to the Board of Trustees. The Secretary was instructed to file a copy of the report with the official records of the Board of Trustees.

E. Report on Highlights of Campus Activities

In concluding the meeting, President Fawcett reviewed some of the highlights of campus activities since the last meeting of the Board of Trustees. Included in this report was the announcement that The Ohio State University has been selected as the site for the National Center for Advanced Study and Research in Agricultural Education and that Dr. Robert E. Taylor, Associate Professor, Department of Agricultural Education, has been designated as Director of the Center.

F. Election of Trustee Member to the Board of Directors of the Research Foundation

The Chairman of the Board reported that Mr. Thomas F. Patton has requested to be relieved of the responsibility of representing the Board of Trustees on the Board of Directors of The Ohio State University Research Foundation and recommended that Mr. Stanley C. Allyn be elected to serve as Trustee Member on the Board of Directors of the Research Foundation to fill the unexpired term, ending after the Annual Meeting, 1964.

Upon motion of Mr. Loop, seconded by Mr. Rairdon, the Board of Trustees unanimously elected Mr. Stanley C. Allyn to serve as Trustee Member on the Board of Directors of The Ohio State University Research Foundation, effective immediately for the unexpired term ending in 1964. The Secretary was instructed to record the expression of appreciation of the Board of Trustees to Mr. Patton for his service in this capacity.

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September 7, 1962 meeting, Board of Trustees

Thereupon the Board adjourned to meet Friday, October 12, 1962, at the University at ten o'clock.

Attest:

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John T. Mount  
Secretary

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Forrest G. Ketner  
Chairman

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THE OHIO STATE UNIVERSITY  
OFFICIAL PROCEEDINGS OF THE  
NINE HUNDRED AND SEVENTY-FOURTH MEETING  
OF THE BOARD OF TRUSTEES

Columbus, Ohio, October 12, 1962

The Board of Trustees met at its regular monthly meeting on Friday, October 12, 1962, at The Ohio State University, Columbus, Ohio, pursuant to adjournment.

Present: Forrest G. Ketner, Chairman, Thomas F. Patton, Smith L. Rairdon, Alan B. Loop, Jacob E. Davis and John W. Bricker.

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The minutes of the last meeting were approved.

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President Fawcett presented the following recommendations:

I. GENERAL RECOMMENDATIONS

A. Recommendation Concerning Change Orders on Construction, Remodeling and Repair Projects

In accordance with a suggestion made at the September 7, 1962 meeting of the Board of Trustees, it is recommended that the President be given authority to approve all individual change orders on construction, remodeling and repair projects where said orders do not exceed \$500.00 each. Actions thus taken are to be reported to the Board upon the completion of each of the respective projects, said reports being in total amounts and not in detail.

Upon motion of Mr. Patton, seconded by Mr. Davis, and by unanimous roll call vote of the Board of Trustees, the President was authorized to approve individual change orders on construction projects not exceeding \$500.00 each.

B. Athletic Department Budget for 1962-1963 Amended

It is recommended that the Athletic Department budget for 1962-1963 as approved by the Board of Trustees on June 15, 1962 in the amount of \$1,828,897.00 be increased in the amount of \$5,713.92 to provide funds for installing blacktop in the Maintenance Building Area at the Golf Course. This action will increase the authorized budget to \$1,834,610.92.

The Board of Trustees approved the award of this contract to the low bidder at their meeting on July 13, 1962.

Upon motion of Mr. Davis, seconded by Mr. Rairdon, the above recommendation to increase the Athletic Department budget for 1962-1963 to provide for the installation of blacktop in the Maintenance Building Area at the Golf Course was unanimously approved by roll call vote.

C. Creation of New Position, Vice President for Research (Rule 11.1102) and Substitution of Rule for Vice President for Instruction and Dean of Faculties (Rule 11.1101)

For some time it has seemed apparent that the provision of central administrative leadership at The Ohio State University for both the instruction and the research programs of the University has become a task of such a magnitude that it requires the time and attention of more than one individual. Curricular developments which include the task of providing day-to-day teaching for over 30,000 students plus continuous efforts to revise and improve the curricular patterns of the University require almost full-time attention. In addition, major studies of the organization of the University and of the academic calendar contain crucial instructional implications which require leadership. A wide variety of other matters including faculty personnel policy, academic counseling and library services demand attention.

I. GENERAL RECOMMENDATIONS (continued)

C. Creation of New Position, Vice President for Research  
(Rule 11.1102) and Substitution of Rule for Vice President  
for Instruction and Dean of Faculties (Rule 11.1101) (continued)

On the research side, The Ohio State University is experiencing unprecedented growth. Sponsored research through the Research Foundation--only a part of our total research effort--reached a dollar volume of \$9,020,000.00 in 1961-1962. Increasing attention on the campus, in legislative halls and in the public press has been given to the need for the further stimulation of research in Ohio. Present day research has outgrown departmental boundaries and the need for the development of interdepartmental and intercollege research ventures continues to grow.

In view of these and many similar demands which could be mentioned, a variety of studies and consultations about the central administration of instruction and research at The Ohio State University have been conducted over a period of more than two years. As a result of these studies and discussions, it is therefore recommended that the positions of Vice President for Instruction and Dean of Faculties and of Vice President for Research be created and substituted for the position of Vice President, Instruction and Research. To formally establish these positions, it is recommended that Rule 11.1101 be deleted and that a revised Rule 11.1101 be substituted for it and that new Rule 11.1102 be adopted as follows:

11.1101. Vice President for Instruction and Dean of Faculties

Section 1. The Vice President for Instruction and Dean of Faculties shall be the executive head of the Office of Instruction.

Section 2. The major area of responsibility and authority of the Vice President for Instruction and Dean of Faculties shall be that of the instructional and faculty affairs of the University. Without limiting the generality of the foregoing, the Vice President for Instruction and Dean of Faculties shall, under the direction of the President and with the approval of the Board of Trustees, be responsible and have the necessary authority for: providing coordinated leadership for the development and evaluation of curricular patterns and teaching methods; the selection, promotion, professional development, tenure and salary of the instructional staff; and the development of the services of the University libraries. In cooperation with the Vice President for Research and the Dean of the Graduate School, he shall assist in the coordination of the instructional program with the research program of the University; and, in cooperation with the Executive Dean for Student Relations, he shall work with the constituent academic divisions to appraise the effectiveness of academic counseling and to devise organization and procedures to improve its effectiveness.

Section 3. The principal administrative officials of the Office of Instruction and Dean of Faculties shall include the Associate to the Vice President, Curriculum Development; the Director of Off-Campus Education; and the Director of Libraries.

I. GENERAL RECOMMENDATIONS (continued)

C. Creation of New Position, Vice President for Research (Rule 11.1102) and Substitution of Rule for Vice President for Instruction and Dean of Faculties (Rule 11.1101) (continued)

11.1102. Vice President for Research

Section 1. The Vice President for Research shall be the executive head of the Office of Research.

Section 2. The major area of responsibility and authority of the Vice President for Research shall be that of encouraging, stimulating, and coordinating the research programs of the University. Without limiting the generality of the foregoing, the Vice President for Research shall, under the direction of the President and with the approval of the Board of Trustees, be responsible and have the necessary authority for: developing broad policies and operating procedures for the research activities of the University; stimulating research developments and assisting in the evaluation of the total research program of the University; providing advice and assistance to college research administrators as they develop the research program within the colleges; supplying coordinated leadership in securing governmental, industrial, and individual support for the research programs of the University; developing the interdepartmental and intercollege cooperative arrangements for the administration of the research projects. In cooperation with the Vice President for Instruction and Dean of Faculties and the Dean of the Graduate School, he shall assist in the coordination of the research program with the instructional program of the University; and, in cooperation with the Vice President for Business and Finance, he shall be responsible for developing the contracting procedures and contract terms for sponsored research undertaken by the colleges and divisions of the University.

Section 3. The principal administrative officials of the Office of Research shall include an Associate to the Vice President for Research.

Upon motion of Mr. Davis, seconded by Mr. Rairdon, Rules 11.1101 and 11.1102 were adopted by the Board of Trustees by unanimous roll call vote, and the Secretary was authorized to make such editorial changes in the By-Laws of the Board of Trustees of The Ohio State University and the Rules for the University Faculty as are required by virtue of the above change in Rules, such editorial changes to be reported to the Board at a subsequent meeting.

I. GENERAL RECOMMENDATIONS (continued)

D. Policy on Patentable Discoveries or Inventions by Faculty or Staff

The 104th General Assembly repealed Sec. 3335.30 of the Revised Code, relating to patentable discoveries or inventions made at The Ohio State University and enacted a new Sec. 3345.14 on the same subject. The new statute, like the old, provides that inventions which result either from research or investigations conducted at, or from the use of the facilities of, the University are the sole property of the University. However, for the first time this new statute permits a share of the income to be paid to the inventor, as in fairness it should be. Also, in those exceptional cases where the inventions are not the property of the University because they did not result from research or investigations conducted in any department of the University and the faculty or staff member's research did not involve the use of University facilities, it may be in the interest of the University in such instances to assist the inventor in patenting and exploiting the invention. It is therefore recommended that:

It shall be the policy of The Ohio State University, where a member of its faculty or staff (hereinafter referred to as the "inventor") conceives a patentable discovery or invention (hereinafter referred to as an "invention"), to grant a share in the net proceeds of the invention to the inventor in those situations in which the invention is clearly the property of the University. In those exceptional cases where the inventions do not appear to be the property of the University because the faculty or staff member's research did not involve the use of University facilities, the University may assist the inventors in patenting and exploiting such inventions.

To this end, it is recommended further that the President of the University be authorized and directed, in his discretion

- A. To determine the position of the University in respect to the ownership of any invention under Ohio Revised Code Section 3345.14 or otherwise.
- B. To cause to be assigned to The Ohio State University Research Foundation any invention, whether it is or is not conceived in the course of sponsored research, which he regards to be the property of the University; with the request that the Foundation endeavor to patent and exploit the invention and pay over to the inventor an appropriate share of the net proceeds of the invention or in lieu of assignment to the Research Foundation to direct such other disposition of the invention as he deems appropriate.
- C. To assist the inventor in securing patent protection upon and exploiting such inventions in those exceptional situations where the inventions do not appear to him to be the property of the University by virtue of Ohio Revised Code Sec. 3345.14 or otherwise, and to approve the

I. GENERAL RECOMMENDATIONS (continued)

D. Policy on Patentable Discoveries or Inventions by Faculty or Staff (continued)

acceptance by The Ohio State University Research Foundation of the offer by a member of the University's faculty or staff of the assignment of an invention which does not appear to be the property of the University, upon condition that the Foundation endeavor to patent and exploit the invention and pay over to the inventor an appropriate share of the net proceeds of the invention.

- D. To appoint such committee as he deems appropriate to advise and assist him in the discharge of his responsibilities hereunder.

The phrase "net proceeds" as used herein shall mean (a) any royalty or other periodic payment, or lump sum, received for the right to utilize an invention, but not including any amount paid by the sponsor of a research project which is computed as a percentage of all or some of the costs of the project, whether or not denominated "overhead" and whether or not paid for the right to utilize an invention, less (b) the costs of obtaining a patent and the costs of exploiting the patent, including development, marketing and out-of-pocket costs.

The phrase "an appropriate share" as used herein shall mean normally one-third, but this fraction may be varied in specific instances if, in the President's judgment, the circumstances call for a departure from the norm.

The policy hereby established may be modified, altered, or revoked by the Board of Trustees at any time, and nothing contained herein shall be considered as granting any property right to or creating any contract right in any member of the faculty or staff in any invention or in the proceeds of any invention.

Upon motion of Mr. Patton, seconded by Mr. Loop, the Board of Trustees by unanimous roll call vote approved the above recommendations concerning the Policy on Patentable Discoveries or Inventions by Faculty or Staff. Mr. Patton suggested, and the Board concurred, that the President and the administrative staff give further study to the policy of granting a share of the profits from an invention in those exceptional situations where the invention does not appear to be the property of the University and report back to the Board at a future meeting.

E. Supplemental Personnel Budgets

1. The Ohio State University Personnel Budget

It has been the intention of the University for some time to develop its sponsored research program in such a way as to eliminate "over-time" compensation for research. This requires that service on sponsored research projects be considered a part of the full-time duty of faculty members and that projects be billed for the released

I. GENERAL RECOMMENDATIONS (continued)

E. Supplemental Personnel Budgets (continued)

1. The Ohio State University Personnel Budget (continued)

time of faculty members serving on such projects. In order to accomplish this change, salary adjustments are necessary to reflect the redefinition of full-time service. Funds to support these adjustments will be available from billings against sponsored research projects which will be deposited in the budget account supporting The Ohio State University annual personnel budget.

It is therefore recommended that The Ohio State University annual personnel budget as approved by the Board of Trustees on June 15, 1962, be increased in the amount of \$238, 676. 00 to provide salary adjustments reflecting a redefinition of full-time service. This action will increase the approved budget to \$27, 631, 491. 00 for the 1962-1963 fiscal year.

Upon motion of Mr. Rairdon, seconded by Mr. Davis, The Ohio State University personnel budget as revised was unanimously approved by roll call vote, and the Secretary was instructed to record the amendments resulting from this increase in funds in the "Salary Roll" of the University for 1962-1963.

2. Agricultural Extension Service

With Congressional approval of the Federal appropriation for the Agricultural Extension Service as provided in the Smith-Lever Act, it is recommended further that the Extension personnel budget be increased in the amount of \$128, 228. 00. This action will increase the approved Agricultural Extension Service personnel budget to \$3, 396, 388. 00 for the 1962-1963 fiscal year.

Upon motion of Mr. Rairdon, seconded by Mr. Patton, the Agricultural Extension personnel budget as revised was unanimously approved by roll call vote, and the Secretary was instructed to record the amendments resulting from this increase in appropriations in the "Salary Roll" of the Agricultural Extension Service for 1962-1963.

F. Nomination for Honorary Degree - John Harvey Knox

On October 9, 1962, the Faculty Council recommended that the honorary degree, Doctor of Science, be awarded at an appropriate and acceptable date to John Harvey Knox.

It is therefore recommended that the Board of Trustees approve the Faculty Council's recommendation and that the degree indicated be conferred at the December 1962 Commencement or at one of the Commencements of the year 1962-1963.

Upon motion of Mr. Loop, seconded by Mr. Davis, the above recommendation was unanimously approved by roll call vote.

I. GENERAL RECOMMENDATIONS (continued)

G. Revision of Rules Relating to Use of University Facilities

It is recommended that the following rules related to the use of University facilities be adopted.

53.09. Student Use of University Buildings.\*

Section 1. University facilities assigned to a student organization shall be used only for the usual activities of such student organization. If a student organization desires to use University facilities, which facilities have been assigned to the organization, for purposes other than its usual activities, it shall request permission for such use from the Executive Dean, Special Services, in accordance with Rule 61.05.

Section 2. No student, group of students, or student organization shall arrange for, announce a meeting involving, or use University facilities unless permission has been obtained in advance from the Executive Dean, Special Services, in accordance with Rule 61.05.

61.05. University Facilities.\*

Section 1. University facilities may be scheduled and used only if the meeting is sponsored by at least one of the following: (a) the University, (b) an administrative unit of the University<sup>1</sup>, (c) the President or a member of his Cabinet, (d) a member of the University Faculty, (e) a club or committee of University Faculty members, University staff members, or their wives, or (f) a recognized student organization (see Rule 53.01).

Section 2. The Executive Dean, Special Services, shall be responsible for the scheduling of and shall have the necessary authority to schedule all University facilities. (See Rule 11.1107.) No meeting shall be scheduled in or announced for any University facility unless permission to use the facility has been obtained in advance from the Executive Dean, Special Services. All requests for the use of University facilities shall indicate the nature of the proposed meeting. If the proposed meeting is one to which a guest speaker is to be invited, the request for the use of University facilities shall indicate the name of the guest speaker and shall be submitted to the Executive Dean, Special Services, at least two weeks prior to the date the invitation is to be issued. (See Rule 21.09).

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\*Rule initiated by Board of Trustees.

<sup>1</sup>This includes, but is not limited to, the Graduate School, a College, Department, School, Institute, and Bureau.



I. GENERAL RECOMMENDATIONS (continued)

G. Revision of Rules Relating to Use of University Facilities (continued)

With the written consent of the President, the two-week period set forth above may be waived and the invitation issued at such time as agreed upon by the President and the sponsor of the meeting.

Section 3. The word "meeting," as used in Rule 53.09 and 61.05, means any meeting using University facilities to which the faculty, staff, students, or public is invited, except (1) regularly scheduled University courses, (2) conferences approved under University procedures, and (3) meetings of state, regional, national, or international organizations approved under University procedures.

Section 4. The responsibility and authority of the Executive Dean, Special Services, under this Rule may be delegated by him to a member of the University Faculty or of the staff of this University.

Upon motion of Mr. Davis, seconded by Mr. Rairdon, the Board of Trustees by unanimous roll call vote approved the above revised Rule 53.09 and the adoption of the new Rule 61.05 of the Rules for the University Faculty as recommended by the President.

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II. PERSONNEL CHANGES

It is recommended that all personnel changes since the September 7, 1962 meeting of this Board, as recorded in the official "Salary Roll" of the University, be approved by the Board. These changes include the following Change in Title, Appointments, Leave of Absence With Salary and Leaves of Absence Without Salary:

A. Change in Title

Frederic W. Heimberger from Vice President, Instruction and Research to Vice President for Instruction and Dean of Faculties, effective November 1, 1962.

B. Appointments

Alfred B. Garrett, Vice President for Research, effective November 1, 1962, at a salary of \$23,172.00 per annum. (Dr. Garrett will continue to hold the rank of Professor in the Department of Chemistry at No Salary.)

Bernard B. Schlanger, Professor, Speech, effective October 1, 1962, at a salary of \$13,068.00 per annum.

II. PERSONNEL CHANGES (continued)

B. Appointments (continued)

Hsiung Hsu, Associate Professor (part time - 25%),  
Electrical Engineering and Associate Supervisor (part  
time - 75%), Research Foundation, effective October 1,  
1962, at a salary of \$11,334.00 per annum.

C. Leave of Absence With Salary

In accordance with the policy approved by the Board of Trustees on  
April 12, 1954, the following-named person is recommended for Leave  
of Absence With Salary from the Agricultural Extension Service for the  
period indicated:

John R. Ewart, Instructor (County Extension Agent, 4-H)  
Madison County, October 1, 1962 through December 15, 1962,  
to study at The Ohio State University.

D. Leaves of Absence Without Salary

Walter Naumann, Professor, German, April 1, 1963  
through June 30, 1963, to teach at the Technical University  
of Darmstadt.

Jack P. Tull, Associate Professor, Mathematics, January 1,  
1963 through September 30, 1963, to be a Visiting Senior  
Lecturer in Mathematics at the University of Adelaide,  
Australia.

Donald E. Kimmet, Instructor (County Extension Agent,  
4-H) Ottawa County, Agricultural Extension Service,  
October 1, 1962 through August 31, 1963, to study at The  
Ohio State University.

Ruth S. Spitz, Instructor, Economics, October 1, 1962  
through September 30, 1963, for personal reasons.

Upon motion of Mr. Davis, seconded by Mr. Rairdon, the Change in Title,  
Appointments, Leave of Absence With Salary, Leaves of Absence Without  
Salary and the personnel changes recorded in the official "Salary Roll" of  
the University were unanimously approved by roll call vote, and the Secretary  
was instructed to file these changes in the "Salary Roll" with the official docu-  
ments of the University.

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III. GENERAL CONTRACTS AND AGREEMENTS

A. The Ohio State University and  
The Ohio State University Research Foundation

In accordance with the Memorandum of Agreement between The Ohio State University and The Ohio State University Research Foundation approved by this Board on September 5, 1950, it is recommended that the research agreements for the following projects administered through the Research Foundation be approved and recorded in the minutes of this meeting.

1. Government Contracts - Federal

- a. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Effect of Certain Antibiotics Upon Microflora and Enzymes in Milk (to be known as National Institutes of Health Project No. 547 - Ext. #9 - Department of Dairy Technology). Gross Value - \$16,560.00.
- b. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for Mosquito Studies (to be known as National Institutes of Health Project No. 702 - Ext. #6 - Department of Zoology and Entomology). Gross Value - \$22,482.00.
- c. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Excitation and Inhibition in the Vertebrate Retina (to be known as National Institutes of Health Project No. 782 - Ext. #5 - Institute for Research in Vision). Gross Value - \$15,414.00.
- d. Department of Navy, Office of Naval Research, Washington 25, D. C., for Research on the Production of Clinical Radiographs by Means of Compact, Low-energy and High-intensity Radioactive Sources (to be known as Office of Naval Research Project No. 834 - Amend. #8 - College of Dentistry and Department of Physics and Astronomy). Gross Value - \$13,500.00.
- e. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for a Phytochemical Search for Medicinal Constituents (to be known as National Institutes of Health Project No. 865 - Ext. #4 - College of Pharmacy). Gross Value - \$19,780.00.
- f. Federal Aviation Agency, Bureau of Research and Development, Washington 25, D. C., for Engineering Services for Glide Path Antenna System Research (to be known as Federal Aviation Agency Project No. 891 - Amend. #8 - Department of Electrical Engineering). Gross Value - \$5,125.00.

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

- g. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Metabolism in the Hypothermic By-Passed Heart (to be known as National Institutes of Health Project No. 1100 - Ext. #2 - Department of Surgery).  
Gross Value - \$15,000.00.
- h. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Effect of Antimetabolites on the Chick Embryo (to be known as National Institutes of Health Project No. 1168 - Ext. #2 - Department of Poultry Science).  
Gross Value - \$13,929.00.
- i. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Dental Writing (to be known as National Institutes of Health Project No. 1169 - Sup. dtd. 8/22/62 - School of Journalism).  
Gross Value - \$2,698.00.
- j. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Hormonal Regulations of Cellular Processes (to be known as National Institutes of Health Project No. 1172 - Ext. #2 - Department of Agricultural Biochemistry).  
Gross Value - \$14,777.00.
- k. Headquarters, Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, for an Investigation of Effects of Large, Spanwise, Temperature Gradients in Long, Thin Plates (to be known as Aeronautical Systems Division Project No. 1271 - Mod. #3 - Department of Aeronautical and Astronautical Engineering).  
Gross Value - \$27,320.00.
- 1. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Contour Comparisons of Impressions and Edentulous Ridges (to be known as National Institutes of Health Project No. 1342 - Ext. #1 - College of Dentistry).  
Gross Value - \$6,037.00.

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

- m. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Effects of Bone-conducted Sidetone on Stuttering (to be known as National Institutes of Health Project No. 1350 - Ext. #1 - Department of Speech).  
Gross Value - \$12,330.00.
- n. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Experimental Portal Hypertension (to be known as National Institutes of Health Project No. 1364 - Ext. #1 - Department of Surgery).  
Gross Value - \$7,187.00.
- o. U. S. Army Research Office (Durham), Box CM, Duke Station, Durham, North Carolina, for an Investigation of the Photochemical Synthesis of Polyazacyclobutane Systems (to be known as U. S. Army Research Office (Durham) Project No. 1494 - New - Department of Chemistry).  
Gross Value - \$17,349.50.
- p. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Effect of Food Processing on Radioactive Fallout (to be known as National Institutes of Health Project No. 1502 - New - Department of Horticulture and Forestry).  
Gross Value - \$23,471.00.
- q. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Modes of "Arousal" and Discrimination Efficiency (to be known as National Institutes of Health Project No. 1504 - New - Department of Psychology).  
Gross Value - \$5,637.00.
- r. Headquarters, Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, for Research on the Structure and Organization of the Nervous System from an Information Point of View (to be known as Aeronautical Systems Division Project No. 1506 - New - Department of Physiology).  
Gross Value - \$18,806.00.
- s. National Science Foundation, Washington 25, D. C., for Equipment for Museum Collections in Paleontology at Ohio State University (to be known as National Science Foundation Project No. 1507 - New - Department of Geology).  
Gross Value - \$14,000.00.

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

- t. Defense Supply Agency, Defense Construction Supply Center, P. O. Box 119, 52 Starling Street, Columbus 16, Ohio, for Services as Part of Training Course in "Middle Management" (to be known as Defense Construction Supply Center Project No. 1511 - New - Defense Management Center).  
Gross Value - \$3,480.00.
- u. Headquarters, Air Force Office of Scientific Research, Office of Aerospace Research, Washington 25, D. C., for an Investigation of Value Acts and Situational Variables in Organizational Behavior (to be known as Air Force Office of Scientific Research, Office of Aerospace Research Project No. 1514 - New - Department of Sociology and Anthropology).  
Gross Value - \$15,869.00.
- v. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Oxidative Synthesis of Complex Isoquinoline Alkaloids (to be known as National Institutes of Health Project No. 1515 - New - Department of Chemistry).  
Gross Value - \$15,203.00.
- w. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Mechanism of Thyroid Hormone Action (to be known as National Institutes of Health Project No. 1516 - New - Department of Agricultural Biochemistry).  
Gross Value - \$6,506.00.
- x. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Psychophysiological Changes Following Septal Damage (to be known as National Institutes of Health Project No. 1517 - New - Department of Psychiatry).  
Gross Value - \$16,294.00.
- y. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Lipid Metabolism: Absorption and Transport (to be known as National Institutes of Health Project No. 1518 - New - Department of Physiological Chemistry).  
Gross Value - \$18,716.00.

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

- z. Department of Health, Education and Welfare, Office of Education, Washington 25, D. C., for an Investigation of the Impact of the "Hawthorne Effect" in Experimental Designs in Educational Research (to be known as Office of Education Project No. 1519 - New - Bureau of Educational Research and Service).  
Gross Value - \$83,251.00.
- aa. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Statistical Classification of Mental Disorders (to be known as National Institutes of Health Project No. 1520 - New - Department of Psychiatry).  
Gross Value - \$7,631.00.
- bb. Department of Health, Education and Welfare, Public Health Service, Bureau of State Services, Division of Radiological Health, Washington 25, D. C., for an Evaluation Study of the Effectiveness of Various Food Processing Procedures in Reducing the Amount of Radionuclides in the Human Dietary Chain (to be known as Bureau of State Services, Division of Radiological Health Project No. 1521 - New - Department of Horticulture and Forestry).  
Gross Value - \$18,151.00.
- cc. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Effects of Hypothermic Drugs on Behavior (to be known as National Institutes of Health Project No. 1523 - New - College of Pharmacy).  
Gross Value - \$8,352.00.
- dd. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Operant Conditioning in Retardates (to be known as National Institutes of Health Project No. 1524 - New - Department of Psychiatry).  
Gross Value - \$6,049.00.
- ee. Classified Program (to be known as Classified Program Project No. 1505 - New - Department of Electrical Engineering).  
Gross Value - \$5,172.00.

TOTAL - Government Contracts - Federal \$476,076.50

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

2. Industrial and Other Contracts

- a. University of Illinois, Business Office, Purchasing Division, 203 Administration Building E, Urbana, Illinois, for Transmission of Pulsed Radio Signals at 6.4MC/S (to be known as University of Illinois Project No. 473 - Mod. #33 - Department of Electrical Engineering).  
Gross Value - \$1,000.00.
- b. Illuminating Engineering Research Institute, 1860 Broadway, New York 23, New York, for Studies of the Illumination Requirements for Roadway Visual Tasks (to be known as Illuminating Engineering Research Institute Project No. 872 - Sup. #5 - Institute for Research in Vision).  
Gross Value - \$2,400.00.
- c. Illuminating Engineering Research Institute, 1860 Broadway, New York 23, New York, for Studies of Visual Performance and Illumination (to be known as Illuminating Engineering Research Institute Project No. 885 - Ext. #5 - Institute for Research in Vision).  
Gross Value - \$21,300.00.

TOTAL - Industrial and Other Contracts \$24,700.00

The foregoing thirty-four contracts for research in cooperation with Government, Industry and Other represent a gross income of \$500,776.50.

Upon motion of Mr. Rairdon, seconded by Mr. Davis, the research agreements between The Ohio State University and The Ohio State University Research Foundation for the above contracts were unanimously approved.

B. The Report of the Research Contracts  
from the Engineering Experiment Station

During the period from August 25, 1962 through September 28, 1962, the Engineering Experiment Station of The Ohio State University entered into the following research contracts. These research contracts are reported to the Board of Trustees for information and record:

1. Government Research Contract

EES 202	Electronic Devices as Traffic Aids, Ohio Department of
Ext. 1	Highways, Columbus, Ohio, Bureau of Public Roads,
	Department of Commerce, Washington, D. C.
	Gross Value - \$120,000.00



III. GENERAL CONTRACTS AND AGREEMENTS (continued)

B. The Report of the Research Contracts  
from the Engineering Experiment Station

2. Industrial Research Contract

EES 204      A Study of Hydrostatic Oil Bearings, The Gleason  
Ext. 2        Works, Rochester, New York.  
Gross Value - \$21,110.22

The foregoing two contracts for research in the Engineering Experiment Station represent a gross income of \$141,110.22.

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IV. GIFTS

The following gifts to the University are hereby reported for the record, and appropriate expression of appreciation has been conveyed:

A. Received Through the Development Fund

1. \$1,088.00 for The William G. Hinton, Jr. Memorial Fund.

The William G. Hinton, Jr. Memorial Fund

The William G. Hinton, Jr. Memorial Fund was established September 8, 1962, by gifts through the Development Fund from the family and friends of the late William G. Hinton, Jr.

The principal is to be invested in the University's investment portfolio under rules and regulations adopted by the Board of Trustees, with right to invest and reinvest as occasion dictates.

The income is to be used for an award to an undergraduate student in Music Education, who, in the judgment of the Music Education faculty, is considered worthy of this distinction. Within the limits of income accruing to this fund, it will also be the responsibility of the Music Education faculty to determine the disposition of the income.

In case the need for such awards should cease to exist or so diminish as to create unused income, then the Board of Trustees of The Ohio State University may use the income for any purpose in its discretion, preference to be given, however, to the field of Music.

2. \$11,116.00 from National Legal Aid and Defense Association for experimental project in education for professional responsibility, College of Law.
3. \$8,400.00 from The International Nickel Company, Inc. for fellowships.
4. \$7,135.00 from The Charles F. High Foundation, Bucyrus, Ohio, for undergraduate scholarships.

IV. GIFTS (continued)

A. Received Through the Development Fund (continued)

5. \$5,600.00 from The Cincinnati Milling Machine Company for undergraduate scholarships.
6. \$5,107.00 from Grace High Washburn Trust, Bucyrus, Ohio, for undergraduate scholarships.
7. \$5,100.00 from The Sears-Roebuck Foundation for undergraduate scholarships.
8. \$5,000.00 from The Newspaper Fund, Inc. for general use of School of Journalism.
9. \$5,000.00 from Estate of Abigail F. Simpson credited to Alumni Endowment Fund.
10. \$3,900.00 from Procter and Gamble Company, Cincinnati, Ohio, for equipment in College of Dentistry.
11. \$3,830.00 from the Owens-Illinois Glass Company, Toledo, Ohio, for the Owens-Illinois undergraduate scholarship program. Of this amount, \$2,180.00 is used for scholarship stipends and \$1,650.00 is an unrestricted grant to the University in connection with the program.
12. \$3,500.00 from Inland Steel-Ryerson Foundation, Inc. for fellowship in Metallurgical Engineering.
13. \$3,500.00 from Edward Orton, Jr. Ceramic Foundation for fellowship in Ceramic Engineering entitled the John L. Carruthers Fellowship, in honor of John L. Carruthers, former chairman of the Department of Ceramic Engineering.
14. \$2,960.00 from the trust under the will of Glenna R. Joyce for undergraduate scholarships.
15. \$2,000.00 from American Broadcasting Company for Discovery '62 Research Grant Program. The purpose is to stimulate and aid scientific investigations in broadcasting.
16. \$2,000.00 from The Pittsburgh Plate Glass Foundation for research in City Planning.
17. \$2,000.00 from Warren-Teed Products Company for education center in College of Medicine.
18. \$1,500.00 from Moorman Company for undergraduate scholarships in Agriculture.

October 12, 1962 meeting, Board of Trustees

IV. GIFTS (continued)

A. Received Through the Development Fund (continued)

19. \$1,000.00 from Marathon Oil Foundation, Inc. for use of the Department of Geology.

TOTAL - Through the Development Fund \$79,736.00

Upon motion of Mr. Davis, seconded by Mr. Rairdon, the above report of gifts was accepted, and the Secretary was instructed to include the report in the minutes of this meeting.

B. Report from The Ohio State University Development Fund

1. August, 1962

In August, 1962, The Ohio State University Development Fund received gifts on behalf of the University as follows:

	<u>Number of Gifts</u>	<u>Amount</u>
Alumni	707	\$ 18,423.63
Individuals, Other Than Alumni	75	7,798.91
Non-Profit Organizations	39	48,667.74
Business Concerns	25	38,112.00
	<u>846</u>	<u>\$113,002.28</u>

Of these gifts, 585 totaling \$11,179.37 were undesignated and 261 totaling \$101,822.91 were designated.

2. September, 1962

In September, 1962, The Ohio State University Development Fund received gifts on behalf of the University as follows:

	<u>Number of Gifts</u>	<u>Amount</u>
Alumni	314	\$ 13,085.07
Individuals, Other Than Alumni	53	1,764.00
Non-Profit Organizations	32	71,837.06
Business Concerns	16	23,197.57
	<u>415</u>	<u>\$109,883.70</u>

Of these gifts, 256 totaling \$2,758.24 were undesignated and 159 totaling \$107,125.46 were designated.

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V. APPROPRIATIONS AND TRANSFER OF FUNDS

A. The Ohio State University and Children's Hospital - Teaching Program of the Department of Pediatrics, College of Medicine

It is recommended that the amount of \$25,800.00 be paid from Laboratory Pro-Rata Funds to Children's Hospital for the purpose of continuing the agreement between The Ohio State University and Children's Hospital for the teaching program of the Department of Pediatrics, College of Medicine, for the year 1962-1963.

Upon motion of Mr. Davis, seconded by Mr. Loop, the above agreement and authorization for the payment of \$25,800.00 to Children's Hospital was unanimously approved by roll call vote.

B. Transfer of Funds for Purchase of Tuller Property (Northeast Corner Sawmill and Case Roads)

The property known as the Tuller Property comprising 21.28 acres and located at the northeast corner of Case Road and Sawmill Road with 2,860 front feet on Case Road and a depth of 324 feet fronting on Sawmill Road in accordance with the legal description of the property, is now available to the University. Since this property is specified in the Master Plan as land which is high on the University acquisition schedule and since this is the most propitious time at which to acquire it, it is recommended that funds be transferred from University Treasurer Account No. 19999 to the Investment Portfolio so that the property may be acquired at a price of \$50,000.00. The property is to be held in the Investment Portfolio until such time as the Board may designate further disposition of it.

Upon motion of Mr. Davis, seconded by Mr. Loop, the above recommendation was unanimously approved by roll call vote.

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VI. EXTRA ORDERS AND EXTENSIONS OF TIME TO CONTRACTS

At the request of the Council on Business Affairs, and with the concurrence of the Cabinet, it is recommended that the Extra Orders and Extensions of Time to Contracts as outlined below be approved by the Board of Trustees and submitted to the Director of Finance, State of Ohio, for approval and allocation of funds as indicated in each case.

A. Botany and Zoology Building - Remodeling and Expansion

Electrical Contract

It is recommended that the following changes be made:

1. Provide electrical connections and control wiring for cooling tower fans for the four light rooms.  
Add \$267.00.

VI. EXTRA ORDERS AND EXTENSIONS OF TIME TO CONTRACTS (continued)

A. Botany and Zoology Building - Remodeling and Expansion (continued)

Electrical Contract (continued)

2. Move junction box to accommodate required relocation of equipment in Room 66. Add \$30.00.
3. Furnish top reflector plates on fixtures in Room S-186. Add \$75.00.
4. Add one convenience outlet near light switch in Room 208A. Add \$30.00.
5. Provide four light fixtures, two three-way switches and one convenience outlet in tunnels. Add \$275.00.
6. Provide two-8 ft. fluorescent fixtures and two-4 ft. fixtures in lieu of four-8 ft. fixtures in Room 289. Add \$56.00.

Total addition     \$    733.00

Funds for this extra order will be provided from Account 19916 Extra Orders and Architect's Fees.

B. Student Housing, Building No. 3 (Blackburn House)

General Contract

It is recommended that treads, risers and landings of 10 ga. steel be provided in lieu of 1/4" plate treads and 14 ga. risers; and that 3/16" rubber treads and 1/8" rubber tile be applied to match treads on all landings and floors in the stairwell except basement floor.

Add     \$    800.00

Funds will be provided from Dormitory Construction Funds.

C. Ohio Union, South Terrace Remodeling

General Contract

It is recommended that the following changes be made:

1. Remove existing stone base course on south and west wall and remove brick back-up wall on south side; reset stone base and install new brick back-up wall on south side only. Add \$1,733.00.
2. Provision of payment for extra trucking time due to the delay in excavation. Add \$168.00.

VI. EXTRA ORDERS AND EXTENSIONS OF TIME TO CONTRACTS (continued)

C. Ohio Union, South Terrace Remodeling (continued)

General Contract (continued)

3. Elimination of removal of 3" fill slab over terrace area. Deduct \$748.00.

Net addition    \$1,153.00

Funds for this extra order will be provided from Item 802 Ohio Union, South Terrace Remodeling, H.B. 1123.

D. Veterinary Clinical Unit Building

Electrical Contract

It is recommended that the following changes be made:

1. Provide additional wiring and electrical outlets for additional sterilizers and other items of equipment. Add \$380.00.
2. Provide changes to wiring and additional controls in the Audio-Visual Room to serve stage lights, house lights, movie and slide projectors. Add \$307.00.

Total addition    \$ 687.00

Heating and Ventilating Contract

It is recommended that the following changes be made:

1. Increase size of steel vent pipe for boiler safety valve exhaust, from 4" diameter to 8" diameter, from boiler room to roof. Add \$932.84.

2. Provide and install a high limit control for the electric air incinerator. Add \$82.23.

Total addition    \$1,015.07

Funds for these extra orders will be provided from Account 710 Veterinary Clinical Unit Building, H.B. 1123.

E. Research Space - East Side of Stadium

It is recommended that an extension of completion date from September 15, 1962 to October 11, 1962 be granted to all contractors on this project. The General Contract was delayed for 26 days by a strike in the plant of the supplier of the steel joists and therefore the contractors on the other divisions of the project were similarly delayed.

Upon motion of Mr. Davis, seconded by Mr. Rairdon, the above recommendation was unanimously approved by roll call vote.

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## VII. PLANS AND SPECIFICATIONS

With the approval of the Council on Business Affairs, and with the concurrence of the Cabinet, it is recommended that the plans and specifications, bills of materials, and estimates of cost for the following projects be approved by the Board of Trustees:

A. Repair Electrical Substation "A" Feeder to  
Pharmacy and Bacteriology Building

Funds for the project will be provided from Account 2355 Physical Plant Maintenance, H.B. 1123.

B. Remodel Steam Lines in Tunnel Between Animal Science  
and Agricultural Administration Buildings

Funds for the project will be provided from Account 2355 Physical Plant Maintenance, H.B. 1123.

Upon motion of Mr. Patton, seconded by Mr. Rairdon, the above recommendation was unanimously approved by roll call vote, and the Secretary was authorized and directed to sign the plans and specifications for the above projects for and on behalf of the Board of Trustees. Vice President Carson was directed to proceed with a request for bids in the normal University manner and if satisfactory bids are received, to proceed with the award of contracts. All action regarding this matter shall be reported to the Board of Trustees at a later meeting.

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## VIII. REPORT OF AWARD OF CONTRACTS

In accordance with authorization provided by the Board of Trustees, the contracts for the following projects have been recommended for award and the action is hereby reported to the Board:

A. Repairs and Replacement to Gas Line to the Small Animal Buildings

Bids were received on September 6, 1962, and the award of contract was recommended to the lowest and best bidder as follows:

	<u>Low Bid</u>	<u>Est. of Cost</u>
(2 bids received)		
Piping Contractors Company	\$ 4,281.00	\$ 5,100.00
(Columbus, Ohio)		

Funds for this project will be provided from Maintenance Account 200, H.B. 1123.

B. Hangar No. 4, University Airport (Phase I)

Bids were received on September 20, 1962, and the award of contract was recommended to the lowest and best bidder as follows:

VIII. REPORT OF AWARD OF CONTRACTS (continued)

B. Hangar No. 4, University Airport (Phase I) (continued)

	<u>Low Bid</u>	<u>Est. of Cost</u>
<u>General Contract</u> (7 bids received)		
Timmons, Butt & Head (Cols., Ohio)		
Base Bid	\$ 98,794.00	\$140,000.00
Alt. G-1 - Add 3 bays	26,894.00	65,000.00
Alt. G-2 - Colored panels, Base Bid	No Change	6,000.00
Alt. G-3 - Colored panels, Alt. G-1	No Change	3,000.00
Total General Contract	<u>\$125,688.00</u>	<u>\$214,000.00</u>

Funds will be provided from Item 801 University Airport, Hangar No. 4 (Phase I), H.B. 1123, for this project.

Upon motion of Mr. Patton, seconded by Mr. Rairdon, the above award of contracts and expenditure of funds were approved and the action of the Vice President, Business and Finance, ratified by unanimous roll call vote.

C. Student Housing, Building No. 3 (Blackburn House)

WHEREAS The Ohio State University, pursuant to an advertisement for bids on the construction of the proposed Student Housing Building No. 3 (Blackburn House) heretofore published on the 7th day of August, the 14th day of August, the 20th day of August, and the 27th day of August, 1962, did on the 5th day of September, 1962, at the Office of the Ohio Director of Public Works in Columbus, Ohio, receive bids for the construction of Building No. 3 (Blackburn House), said bids having been taken under advisement by the Director of Public Works and the Vice President, Business and Finance, of the University; and

WHEREAS the base bid of Baker & Coombs of Ohio, Inc., for general work is the lowest and best bid submitted by any responsible bidder; and

WHEREAS the base bid of Blum & Son Electric Co. for electrical work is the lowest and best bid submitted by any responsible bidder; and

WHEREAS the base bid of Piping Contractors Co. for heating, ventilating and air conditioning work is the lowest and best bid submitted by any responsible bidder; and

WHEREAS the base bid of J. A. Guy, Inc., for plumbing work is the lowest and best bid submitted by any responsible bidder:

	<u>Low Bid</u>	<u>Est. of Cost</u>
<u>General Contract</u> (7 bids received)		
Baker & Coombs of Ohio, Inc. (Columbus)	\$356,000.00	\$400,200.00
<u>Electrical Contract</u> (5 bids received)		
Blum & Son Electric Co. (Columbus)	57,143.00	71,300.00



VIII. REPORT OF AWARD OF CONTRACTS (continued)

C. Student Housing, Building No. 3 (Blackburn House) (continued)

	<u>Low Bid</u>	<u>Est. of Cost</u>
<u>Heating, Ventilating and Air</u>		
<u>Conditioning Contract</u>		
(5 bids received)		
Piping Contractors Co. (Cols.)	\$101,640.00	\$111,100.00
<u>Plumbing Contract</u>		
(6 bids received)		
J. A. Guy, Inc. (Columbus)	65,300.00	83,400.00
Total All Contracts	<u>\$580,083.00</u>	<u>\$666,000.00</u>

NOW, THEREFORE, BE IT RESOLVED by The Ohio State University Board of Trustees:

That the contract for General Work in the amount of \$356,000.00 be awarded to Baker & Coombs of Ohio, Inc.;

That the contract for Electrical Work in the amount of \$57,143.00 be awarded to Blum & Son Electric Co.;

That the contract for Heating, Ventilating and Air Conditioning Work in the amount of \$101,640.00 be awarded to Piping Contractors Co.;

That the contract for the Plumbing Work in the amount of \$65,300.00 be awarded to J. A. Guy, Inc.; and

That the awards shall not be effective until the awardees have been notified in writing by the Secretary of The Ohio State University Board of Trustees of the award of the pertinent contract.

Upon motion of Mr. Bricker, seconded by Mr. Loop, the above resolution was unanimously adopted by roll call vote.

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IX. CONTROLLING BOARD AND EMERGENCY BOARD APPROVALS

Each numbered approval shown below accomplishes the following purposes:

A. Controlling Board Approvals

- 27 Authorizes the expenditure of \$40,962.00 for contracts for the projects "Interior Painting and Patch Plastering of Horticulture and Forestry Greenhouses, Physics Building, Test Laboratory and Research Center (Two Story Part)" and "Repair and Resurface Sidewalks on Campus."
- 28 Authorizes the transfer of \$40,962.00 from Fourth Quarter Maintenance 200 to First Quarter Maintenance 200, H.B. 1123, to provide funds for repair projects.

IX. CONTROLLING BOARD AND EMERGENCY BOARD APPROVALS (continued)

A. Controlling Board Approvals (continued)

- 29 Authorizes the expenditure of \$20, 325.00 from University Hospital Funds for the award of contract on the project "Repair and Replace the Roof on University Hospital."
- 30 Authorizes 10-day advertising for the project "Repairs and Replacement to Gas Line to the Small Animal Buildings."
- 32 Authorizes the expenditure of \$6,929.00 for the contract for the "Industrial Engineering Building Repairs" from Maintenance Account 200, H. B. 1123.
- 36 Authorizes 10-day advertising for the project "Hangar No. 4, University Airport (Phase I)."
- 37 Authorizes the expenditure of funds for the contract "Repairs and Replacement to Gas Line to the Small Animal Buildings" in the amount of \$5,100.00.
- 38 Authorizes the University to issue an order to Garwick & Ross, Inc. to correct emergency condition in the area of the north wall of Brown Hall and the expenditure of \$3,500.00 to cover this work.
- 40 Authorizes the expenditure of \$125,688.00 for the contract for Hangar No. 4, University Airport (Phase I).

B. Emergency Board Approvals

- 1 Allocates and releases \$200,000.00 for the purchase of land for use for dormitory construction from Account 750, H. B. 1123.
- 2 Approves the return of \$4,650.00 to the Emergency Board which was not needed for the purchase and demolition of property at 2106 Neil Avenue.

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X. MISCELLANEOUS FROM OFFICE OF BUSINESS AND FINANCE

A. Dining Facility - South

It is recommended that the engineering firm of W. E. Monks, Columbus, Ohio, be employed to provide complete professional engineering services for heating, ventilating and air conditioning, plumbing, and electrical work for the above project, including design, preparation of drawings, specifications and estimate of cost, and complete field supervision of construction.

X. MISCELLANEOUS FROM OFFICE OF BUSINESS AND FINANCE (continued)

A. Dining Facility - South (continued)

The fee for this service will be 6 per cent of the contract cost of the mechanical work estimated to be \$250,200.00 or an estimated fee of \$15,012.00. Funds will be provided from Dormitory Construction Funds.

Upon motion of Mr. Rairdon, seconded by Mr. Patton, the above recommendation was unanimously approved by roll call vote.

B. University Hospital, IBM Installation

It is recommended that the engineering firm of Ralph J. Kramer, Comer & Passe, Columbus, Ohio, be employed to provide complete professional engineering services for the above project, including design, preparation of drawings, specifications and estimate of cost, and complete field supervision of construction.

The fee for this service will be on an hourly basis of \$8.50 per hour for principals, \$7.00 per hour for engineers, with a maximum fee of \$2,000.00. Funds will be provided from University Hospital Rotary.

Upon motion of Mr. Rairdon, seconded by Mr. Loop, the above recommendation was unanimously approved by roll call vote.

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XI. RESOLUTIONS IN MEMORIAM

President Fawcett reported to the Board the deaths of William Edwards Henderson, Professor Emeritus of Chemistry, and James Earl McClintock, Professor Emeritus of the Agricultural Extension Service, and in accordance with the instructions of the Board of Trustees copies of the following resolutions expressing on behalf of the University the sorrow and sympathy of the Board have been furnished the families of the deceased.

A. William Edwards Henderson

The Board of Trustees expresses its sorrow at the death on September 30, 1962 of William Edwards Henderson, Professor Emeritus of Chemistry.

William Edwards Henderson was born in Wilksburg, Pennsylvania, January 19, 1870. He attended the College of Wooster (Ohio) where he received the Bachelor of Arts degree in 1891 and after two years as professor of natural science at the College of Emporia, Kansas, began graduate work in organic chemistry at Johns Hopkins University. He was awarded the Doctor of Philosophy degree from this University in 1897.

Doctor Henderson taught for two years at Ohio University, before joining The Ohio State University faculty in 1899, as assistant professor of chemistry. He was made associate professor in 1901, professor of inorganic and physical chemistry in 1908, professor of inorganic chemistry in 1912 and emeritus professor in 1940. During his 41 years at Ohio State,

XI. RESOLUTIONS IN MEMORIAM (continued)

A. William Edwards Henderson (continued)

he pioneered and did research in physical chemistry, taught the first science survey classes at the University, served as dean of the Arts College from 1921-1927, was chairman of the Entrance Board for many years, took part in the work of scientific organizations and was the author or co-author of a number of publications, including some of the most widely used chemistry textbooks ever published. He developed Ohio State's courses in advanced inorganic chemistry, inorganic preparations, physical chemistry, history of chemistry and chemical biography.

Professor Henderson was secretary of the Council of the American Association for the Advancement of Science in 1915 and the following year was general secretary of the Association. In 1917 he was secretary for the Division of Inorganic and Physical Chemistry of the American Chemical Society and chairman of the Division the next year.

Doctor Henderson's honors include the Doctor of Science degree, conferred by the College of Wooster in 1925, and the Doctor of Laws, awarded by Ohio State in 1950. The American Chemical Society in 1949 presented him a certificate in recognition of 50 years of continuous membership, and the American Association for the Advancement of Science gave him similar recognition the following year.

Professor Henderson was a member of Sigma Chi social fraternity; Phi Lambda Upsilon and Alpha Chi Sigma, chemistry honoraries; Sigma Xi, scientific honorary; and Phi Beta Kappa. He was instrumental in organizing Ohio State's Phi Beta Kappa chapter. Other memberships included the ACS, AAAS and the Ohio Academy of Science.

Doctor Henderson lived a rich and full life. He contributed much to the scholarly and spiritual life of our University community. He helped to build The Ohio State University in its early, critical and formative period. He will be long remembered by his students and colleagues for his courageous, objective, scholarly, statesmanlike approach to the great variety of problems that must be studied and resolved in an academic community.

On behalf of the entire University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It is directed that this resolution be inscribed upon the minutes of the Board of Trustees.

B. James Earl McClintock

The Board of Trustees expresses its sorrow at the death on October 2, 1962 of James Earl McClintock, Professor Emeritus, Agricultural Extension Service.

As an Extension educator and editor, Professor McClintock served the people of Ohio for thirty-six years prior to retirement in 1950. His love of the outdoors and his intense interest in gardening kept him occupied

XI. RESOLUTIONS IN MEMORIAM (continued)

B. James Earl McClintock (continued)

during the intervening years, and he was a frequent visitor to the University campus and a participant in many community activities.

Professor McClintock was born and reared in Noble County, Ohio, and he was graduated from The Ohio State University in 1906. He began his lifelong career of educational service as a scientific assistant for the U. S. Bureau of Soils in 1906 and 1907. He was assistant professor of agronomy at the University of Maine from 1907 to 1909, specialist in agricultural education in the U. S. Bureau of Education from 1909 to 1910, and agriculturist for the International Correspondence Schools in Scranton, Pennsylvania, from 1910 to 1914. His experience with correspondence courses brought him back to Ohio State in 1914 as supervisor of publications and later editor with the Agricultural Extension Service, a position he held until retirement in 1950.

The non-credit Extension correspondence courses which Professor McClintock established in 1915 have been the source of free study-at-home education for more than 40, 600 Ohioans. Four of the original twenty-eight courses are still being offered: beekeeping, dairy farming, farm accounts, and poultry farming.

As a pioneer member of the State staff of the Agricultural Extension Service, Professor McClintock was largely responsible for the development of the comprehensive information program which supports Extension work throughout Ohio so effectively today. This program includes popular subject-matter publications in every area of agriculture and home economics offered within the College of Agriculture and Home Economics; a weekly educational news service to Ohio newspapers, magazines, radio and television stations; daily radio and television broadcasts on the University and commercial stations; a regular tape-recording service to radio stations; a motion-picture and filmstrip lending library for county Extension agents and other teachers, and the production of hundreds of visual teaching aids of all types for the Extension faculty members.

Professor McClintock was a kindly man, beloved by his many associates and friends as a competent editor and wise counselor. Affectionately known as "Mr. Mac," he was never too busy to confer with faculty members who were seeking new ways to communicate with their off-campus students at home, on the farm, or in the local community. Through his enthusiastic support of the American Association of Agricultural College Editors, which he served as president in 1917, he helped establish agricultural journalism as a profession, and he encouraged many young students to seek careers in the field. His long-time interest in AAACE was evident in that he attended most of the sessions of the 46th annual meeting held on the Ohio State campus last July.

The total educational program of The Ohio State University was greatly enhanced by the significant contributions made by Professor McClintock.

On behalf of the entire University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It is directed that this resolution be inscribed upon the minutes of the Board of Trustees.

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## XII. REPORTS

### A. Reports from the Finance and Investment Committee

#### 1. Report on the University Investment Portfolio

The report on the status of the University Investment Portfolio dated September 30, 1962 was received, and the Secretary was instructed to file a copy of the report with the official records of the Board of Trustees. Further the Committee approved the appointment of the investment analyst firms--Duff, Anderson and Clark and Duff and Phelps, effective October 15 at the combined annual rate of \$4,200.00. These firms are to succeed the firm, Standard and Poor's, as investment counselors.

#### 2. Resolution Approving Amendment to Commitment Letter Dated July 7, 1960

Mr. Patton, Chairman of the Finance and Investment Committee, presented the following resolution concerning the interim financing of the Federal Housing and Home Finance Agency's Project No. CH-Ohio-87(D).

RESOLVED, that the proposal of The Huntington National Bank, dated August 1, 1962 with respect to interim financing for the amended project known as Housing and Home Finance Agency Project No. CH-Ohio-87(D) and amending the commitment letter agreement from said Bank dated July 7, 1960 to permit the use of funds loaned pursuant to said commitment to pay costs of the amended project pending the issuance of Dormitory Revenue Bonds, Series F, G and H, be and the same is hereby accepted and approved, and the President and Vice President, Business and Finance, of the University, and the Secretary of the Board of Trustees, and each of them are hereby authorized to execute, seal and deliver, from time to time, a promissory note or notes, substantially in the form previously approved as part of the original commitment, evidencing such interim financing, and to take any and all action that they shall deem necessary or proper in order to effect said financing and to perform the covenants contained in said Commitment Letter as amended.

RESOLVED, that the letter attached hereto as Exhibit A is the amendment to the commitment letter heretofore approved at this meeting.

Upon motion of Mr. Patton, seconded by Mr. Davis, the foregoing resolution was unanimously adopted by roll call vote.

October 12, 1962 meeting, Board of Trustees

XII. REPORTS (continued)

A. Reports from the Finance and Investment Committee (continued)

1. Resolution Approving Amendment to Commitment Letter  
Dated July 7, 1960 (continued)

C	THE HUNTINGTON NATIONAL BANK	(Exhibit A)
O	of Columbus, Ohio	
P	Organized 1866	
Y		
Paul F. Lewis		
Vice President		August 1, 1962

Mr. Gordon B. Carson, Vice President  
Business and Finance  
The Ohio State University  
190 North Oval Drive  
Columbus 10, Ohio

Re: Interim Financing for H.H.F.A.  
Amended Project Ohio 33-CH-87(D)

Dear Mr. Carson:

You have advised that H.H.F.A., by amendment, has added to Project 87(D) Men's Housing Nos. 3, 4, 5 and 6 and a portion of Dining Facilities Central and the Dining Facility South, originally included in Project H.H.F.A. Ohio 33-CH-99(D), and that Series E Bonds in the increased amount of \$5,300,000.00 were sold and the aggregate amount of Series F, G and H Bonds increased to \$5,400,000.00 principal amount.

As of this date, funds in the aggregate amount of \$2,482,020.72 of our committed loan in the amount of \$6,250,000.00 are not yet disbursed.

You are therefore advised that the participating banks have indicated a willingness to extend the maturity of loans made under the terms of our July 7, 1960 commitment letter, to the end that you may use funds borrowed under the terms thereof as interim financing for the construction of Amended Project 33-CH-87(D).

The consideration for the extension of the commitment is conditioned upon the following:

1. That there be delivered to us an executed copy of the amended loan agreement referred to above.

2. That there be delivered to us certified copies of resolutions to be adopted by the Board of Trustees of the University approving this amendment to the terms of our loan agreement of July 7, 1960 and certified copies of resolutions approving the Third Supplemental Trust Agreement between the University and The Ohio National Bank of Columbus, Trustee, as approved by the Board of Trustees of the University May 18, 1962.

October 12, 1962 meeting, Board of Trustees

XII. REPORTS (continued)

A. Reports from the Finance and Investment Committee (continued)

1. Resolution Approving Amendment to Commitment Letter  
Dated July 7, 1960 (continued)

Page #2

8-1-62

Mr. Gordon B. Carson, Vice President  
Business and Finance  
The Ohio State University  
190 North Oval Drive  
Columbus 10, Ohio

3. That you continue to comply with all other  
applicable conditions set forth in our letter of July 7,  
1960.

Yours very truly,

/S/ Paul F. Lewis

Vice President

PFL:iw

B. Report on Highlights of Campus Activities

In concluding the meeting, President Fawcett reviewed some of the highlights of campus activities as compiled by the Executive Director, Office of University Relations.

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Thereupon the Board adjourned to meet Friday, November 16, 1962, at the University at ten o'clock.

Attest:

\_\_\_\_\_  
John T. Mount  
Secretary

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Forrest G. Ketner  
Chairman



THE OHIO STATE UNIVERSITY  
OFFICIAL PROCEEDINGS OF THE  
NINE HUNDRED AND SEVENTY-FIFTH MEETING  
OF THE BOARD OF TRUSTEES

Columbus, Ohio, November 16, 1962

The Board of Trustees met at its regular monthly meeting on Friday, November 16, 1962, at The Ohio State University, Columbus, Ohio, pursuant to adjournment.

Present: Forrest G. Ketner, Chairman, Thomas F. Patton, Alan B. Loop, and John W. Bricker.

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The minutes of the last meeting were approved.

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The Chairman, Mr. Forrest G. Ketner, speaking on behalf of the Board of Trustees congratulated President Novice G. Fawcett on his election to the presidency of the Association of State Universities and Land Grant Colleges for the 1962-1963 term of office. Mr. Ketner also commended the Association for its "wisdom and vision in selecting a person who has demonstrated that he has the capacity and proven ability to provide the necessary leadership for this association of institutions which represents the most significant united effort in public higher education." President Fawcett responded by expressing his sincere appreciation for the "kind words of the Chairman."

The President presented Dr. Alfred B. Garrett, Vice President for Research, whose appointment was approved by the Board of Trustees at its last meeting. Mr. Ketner responded by welcoming Dr. Garrett to this his first meeting of the Board of Trustees as a member of the President's Cabinet.

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President Fawcett presented the following recommendations:

I. GENERAL RECOMMENDATIONS

A. Certificate Program in Russian Area Studies

On November 6, 1962 the Faculty Council approved the recommendation of the Council on Instruction that there be established a Certificate Program in Russian Area Studies.

The Certificate Program in Russian Area Studies consists of a year's work of related graduate level courses on the Soviet Union selected from the Departments of Economics, Geography, History, Political Science, Sociology, and Slavic Languages and Literatures. It is designed as a supplementary program of education to provide and to integrate specialized knowledge in the Russian area for persons who have demonstrated competence in their own disciplines. To qualify, a candidate must have completed a Master's or Ph.D. degree, or have passed the General Examinations for the Ph.D., and must also have a knowledge of the Russian language sufficient for his use as a research tool in his own discipline.

It is therefore recommended that the Board of Trustees approve the above Certificate Program and that it be granted only upon the recommendation of the Graduate School Committee on Russian Studies.

Upon motion of Mr. Patton, seconded by Mr. Loop, the Board of Trustees by unanimous roll call vote approved the Certificate Program in Russian Area Studies.

B. Re-establishment of a Department of Astronomy within the College of Arts and Sciences

On November 6, 1962 the Faculty Council approved the following proposals of the Council on Instruction and the College of Arts and Sciences that:

- (1) a Department of Astronomy be re-established within the College of Arts and Sciences;
- (2) the program of the proposed Department of Astronomy be that presently conducted under the Division of Astronomy of the Department of Physics and Astronomy; and
- (3) the name of the Department of Physics and Astronomy be changed to the Department of Physics.

The astronomy program at The Ohio State University, currently in the Department of Physics and Astronomy of the College of Arts and Sciences, has been growing steadily during recent years, particularly since the development of space sciences has stimulated interest in all branches of astronomy. Not only has enrollment at both the undergraduate and graduate levels increased, but research facilities have multiplied and been extended both physically and geographically. Furthermore, it seems clear that this growth will continue as space sciences play an increasing role in the public interest and in the research aspects of astronomy.

I. GENERAL RECOMMENDATIONS (continued)

B. Re-establishment of a Department of Astronomy  
within the College of Arts and Sciences (continued)

It is therefore recommended that the Board of Trustees authorize the adoption of the above proposals as approved by the Faculty Council.

Upon motion of Mr. Bricker, seconded by Mr. Patton, the Board of Trustees by unanimous roll call vote approved the proposals concerning the re-establishment of a Department of Astronomy and the renaming of the Department of Physics effective immediately.

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II. PERSONNEL CHANGES

It is recommended that all personnel changes since the October 12, 1962 meeting of this Board, as recorded in the official "Salary Roll" of the University, be approved by the Board. These changes include the following Promotion, Appointment, and Leaves of Absence Without Salary:

A. Promotion

Arne E. Slettebak from Professor, Department of Astronomy, to Professor and Chairman, Department of Astronomy, effective November 19, 1962, at a salary of \$12,276.00 per annum.

B. Appointment

Richard Taylor, Professor, Department of Philosophy, effective January 1, 1963, at a salary of \$15,168.00 per annum.

C. Leaves of Absence Without Salary

Glen O. Schwab, Professor (part time - 72%), Agricultural Engineering, January 1, 1963 through March 31, 1963, for professional improvement.

William Van Alstyne, Associate Professor, College of Law, effective November 11, 1962. (Military Leave)

Martin Y. Andres, Assistant Professor, Veterinary Anatomy, effective November 12, 1962. (Military Leave)

R. Dean Biery, Jr., Extension Instructor (Associate County Extension Agent, 4-H) Crawford County, effective October 21, 1962. (Military Leave)

Upon motion of Mr. Loop, seconded by Mr. Bricker, the Promotion, Appointment, Leaves of Absence Without Salary, and the personnel changes recorded in the official "Salary Roll" of the University were unanimously approved by roll call vote, and the Secretary was instructed to file these changes in the "Salary Roll" with the official documents of the University.

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### III. GENERAL CONTRACTS AND AGREEMENTS

#### A. The Ohio State University and The Ohio State University Research Foundation

In accordance with the Memorandum of Agreement between The Ohio State University and The Ohio State University Research Foundation approved by this Board on September 5, 1950, it is recommended that the research agreements for the following projects administered through the Research Foundation be approved and recorded in the minutes of this meeting.

##### 1. Government Contracts - Federal

- a. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Influence of Antibiotic Feeding on Poultry Products (to be known as National Institutes of Health Project No. 871 - Ext. #4 - Department of Microbiology).  
Gross Value - \$15,059.00.
- b. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Electron Properties of Chlorophyll Films (to be known as National Institutes of Health Project No. 1017 - Ext. #3 - Department of Chemistry).  
Gross Value - \$13,680.00.
- c. Headquarters, U. S. Army Medical Research and Development Command, Office of the Surgeon General, Washington 25, D. C., for A Study on the Metal Complexes of Polyfunctional 2-Aminothiols (to be known as U. S. Army, Office of the Surgeon General Project No. 1092 - Mod. #3 - Department of Chemistry).  
Gross Value - \$17,042.00.
- d. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Synthesis of New Heterocyclic Systems (to be known as National Institutes of Health Project No. 1182 - Ext. #2 - Department of Chemistry).  
Gross Value - \$15,192.00.
- e. Headquarters, U. S. Army Medical Research and Development Command, Office of the Surgeon General, Washington 25, D. C., for an Investigation of Carbohydrate Derivatives for Protection from Radiation Damage (to be known as U. S. Army, Office of the Surgeon General Project No. 1187 - Mod. #5 - Department of Chemistry).  
Gross Value - \$25,327.00.
- f. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Pancreatic Hormonal Influence on Gastric Secretion (to be known as National Institutes of Health Project No. 1344 - Ext. #1 - Department of Surgery).  
Gross Value - \$73,959.00.

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

- g. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for Cooperative Study of Renovascular Hypertension (to be known as National Institutes of Health Project No. 1346 - Ext. #1 - Department of Surgery).  
Gross Value - \$38,546.00.
- h. Department of the Navy, Office of Naval Research, Washington 25, D. C., for an Investigation of Infrared Spectra and the Structure of Polyatomic Molecules (to be known as Office of Naval Research Project No. 1379 - Amend. #2 - Department of Physics and Astronomy).  
Gross Value - \$9,000.00.
- i. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Exchange Protolysis of Molecules in Solution (to be known as National Institutes of Health Project No. 1383 - Ext. #1 - Department of Chemistry).  
Gross Value - \$18,643.00.
- j. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Treatment of Malignant Neoplasms in Domestic Animals (to be known as National Institutes of Health Project No. 1403 - Ext. #1 - Department of Veterinary Surgery and Radiology).  
Gross Value - \$21,769.00.
- k. Department of Health, Education and Welfare, Public Health Service, Office of Education, Washington 25, D. C., for A Study to Evaluate Two Methods Using Magnetic Tape Recordings for the Self-instructional Presentation of the Elemental Materials of Music (to be known as Office of Education Project No. 1407 - Ltr. dtd. 8/3/62 - School of Music).  
Gross Value - \$28,400.00.
- l. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for Hemodynamic Studies (to be known as National Institutes of Health Project No. 1409 - Ext. #1 - Department of Physiology).  
Gross Value - \$9,775.00.
- m. National Science Foundation, Washington 25, D. C., for Research in Radio Astronomy (to be known as National Science Foundation Project No. 1503 - New - Department of Electrical Engineering).  
Gross Value - \$176,500.00.

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

- n. Headquarters, Aeronautical Systems Division, Air Force Systems Command, Wright-Patterson Air Force Base, Ohio, for Research on the Kinetics of Light and Dark Adaptation (to be known as Aeronautical Systems Division Project No. 1513 - New - School of Optometry).  
Gross Value - \$20,000.00.
- o. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Molecular Interactions of Biochemical Interest (to be known as National Institutes of Health Project No. 1539 - New - College of Pharmacy).  
Gross Value - \$6,604.00.
- p. National Science Foundation, Washington 25, D. C., for A Study of the Occurrence of Lateral-Torsional Buckling in Beam-Columns (to be known as National Science Foundation Project No. 1540 - New - Department of Civil Engineering).  
Gross Value - \$14,300.00.
- q. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Mechanism of Biosynthesis of Heteropolysaccharides (to be known as National Institutes of Health Project No. 1541 - New - Department of Agricultural Biochemistry).  
Gross Value - \$22,575.00.
- r. National Science Foundation, Washington 25, D. C., for an Investigation of the Gyponinae of the World (to be known as National Science Foundation Project No. 1546 - New - Department of Zoology and Entomology).  
Gross Value - \$15,100.00.
- s. National Science Foundation, Washington 25, D. C., for an Investigation of Asymmetric Processes Involving Optically Active Complex Inorganic Compounds (to be known as National Science Foundation Project No. 1547 - New - Department of Chemistry).  
Gross Value - \$64,000.00.
- t. National Science Foundation, Washington 25, D. C., for an Investigation of Lithostratigraphy and Biostratigraphy of the Type Cincinnati (to be known as National Science Foundation Project No. 1550 - New - Department of Geology).  
Gross Value - \$39,200.00.

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

- u. Commanding Officer, U. S. Army Research Office (Durham), Box CM, Duke Station, Durham, North Carolina, for an Investigation of 3631-C - The Photochemical Synthesis of Polyazacyclobutane Systems (to be known as U. S. Army Research Office (Durham) Project No. 1552 - New - Department of Chemistry). Gross Value - \$24,492.00.
- v. National Science Foundation, Washington 25, D. C., for Purchase of Light Interference Comparator for Establishing a Geodetic Standard Base Line at Ohio State University (to be known as National Science Foundation Project No. 1553 - New - Department of Geodetic Science). Gross Value - \$22,000.00.
- w. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Modes of Action of Tetracycline Antibiotics (to be known as National Institutes of Health Project No. 1554 - New - Department of Agricultural Biochemistry). Gross Value - \$15,625.00.

TOTAL - Government Contracts - Federal \$706,788.00

2. Industrial and Other Contracts

- a. Westreco, Inc., Box 146, Ridgeway Center Building, Stamford, Connecticut, for an Investigation of Carbohydrates of the Coffee Bean (to be known as Westreco, Inc. Project No. 878 - Ext. #5 - Department of Chemistry). Gross Value - \$5,536.00.
- b. The Midwest Program on Airborne Television Instruction, Memorial Center, Purdue University, Lafayette, Indiana, for Research and Evaluation on MPATI Telecasts, 1961-1962 (to be known as Midwest Program on Airborne Television Instruction Project No. 1367 - Ltr. dtd. 7/2/62 - Bureau of Educational Research and Service). Gross Value - \$27,190.00.
- c. Central Ohio Heart Association, 145 North High Street, Columbus 15, Ohio, for an Investigation of the Biochemical Basis for the Myocardial Response to Catechol Amines (to be known as Central Ohio Heart Association Project No. 1525 - New - Department of Medicine). Gross Value - \$7,024.50.

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

2. Industrial and Other Contracts (continued)

- d. Central Ohio Heart Association, 145 North High Street, Columbus 15, Ohio, for Analysis of the Physiologic Volumes Comprising the Central Venous Volume (to be known as Central Ohio Heart Association Project No. 1526 - New - Department of Veterinary Physiology and Pharmacology).  
Gross Value - \$3,990.00.
- e. Central Ohio Heart Association, 145 North High Street, Columbus 15, Ohio, for Angiographic Studies of Cerebral Circulation (to be known as Central Ohio Heart Association Project No. 1527 - New - Department of Surgery).  
Gross Value - \$4,163.25.
- f. Central Ohio Heart Association, 145 North High Street, Columbus 15, Ohio, for Analysis of the Temporal Relationship Between the First Heart Sound and Left Ventricular Contraction (to be known as Central Ohio Heart Association Project No. 1528 - New - Department of Medicine).  
Gross Value - \$5,944.57.
- g. Central Ohio Heart Association, 145 North High Street, Columbus 15, Ohio, for an Investigation of New Tests for More Accurate Diagnosis of Acute Myocardial Infarction (to be known as Central Ohio Heart Association Project No. 1529 - New - Department of Pathology).  
Gross Value - \$6,433.35.
- h. Central Ohio Heart Association, 145 North High Street, Columbus 15, Ohio, for an Investigation of the Hemodynamic Effects of Potassium in Heart Disease and Normal Subjects (to be known as Central Ohio Heart Association Project No. 1530 - New - Department of Medicine).  
Gross Value - \$5,587.00.
- i. Central Ohio Heart Association, 145 North High Street, Columbus 15, Ohio, for A Determination of Ionized Calcium in the Experimental Dog During Hemodynamic Alterations of the Cardiovascular System Secondary to Citrate Intoxication (to be known as Central Ohio Heart Association Project No. 1531 - New - Department of Surgery).  
Gross Value - \$3,906.00.
- j. Central Ohio Heart Association, 145 North High Street, Columbus 15, Ohio, for an Investigation of Monitoring Renal Blood Flow and Function During Surgery (to be known as Central Ohio Heart Association Project No. 1532 - New - Department of Surgery).  
Gross Value - \$4,452.00.



III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

2. Industrial and Other Contracts (continued)

- k. Central Ohio Heart Association, 145 North High Street, Columbus 15, Ohio, for an Investigation of Cardiovascular Sounds in the Horse (to be known as Central Ohio Heart Association Project No. 1533 - New - Department of Veterinary Physiology and Pharmacology). Gross Value - \$2,518.95.
- l. Central Ohio Heart Association, 145 North High Street, Columbus 15, Ohio, for an Investigation of Influence of Quinidine on Potassium Absorption by the Heart (to be known as Central Ohio Heart Association Project No. 1534 - New - Department of Physiology). Gross Value - \$8,505.00.
- m. Central Ohio Heart Association, 145 North High Street, Columbus 15, Ohio, for an Investigation of the Mechanisms of Physiological Adaptation in Conditioned Athletes (to be known as Central Ohio Heart Association Project No. 1535 - New - Department of Men's Physical Education). Gross Value - \$1,995.00.
- n. Central Ohio Heart Association, 145 North High Street, Columbus 15, Ohio, for an Investigation of the Use of Autogenous Vein Grafts in Coronary Artery Surgery (to be known as Central Ohio Heart Association Project No. 1536 - New - Department of Surgery). Gross Value - \$8,774.85.
- o. Central Ohio Heart Association, 145 North High Street, Columbus 15, Ohio, for an Investigation of Ultrastructure of Vascular Endothelium and Thrombi (to be known as Central Ohio Heart Association Project No. 1537 - New - Department of Pathology). Gross Value - \$8,381.57.
- p. Central Ohio Heart Association, 145 North High Street, Columbus 15, Ohio, for Conditioned Reflex Studies on Renal Cardiovascular and Behavioral Interrelations (to be known as Central Ohio Heart Association Project No. 1538 - New - Department of Psychiatry). Gross Value - \$7,560.00.
- q. The University of Michigan, Ann Arbor, Michigan, for an Investigation of Ice Movement Measurements in the Byrd Glacier, Antarctica (to be known as The University of Michigan Project No. 1543 - New - Department of Geodetic Science). Gross Value - \$2,478.00.

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

2. Industrial and Other Contracts (continued)

- r. Central Ohio Heart Association, 145 North High Street, Columbus 15, Ohio, for an Investigation of Postural Effect of Excretion of Sodium After Salt-Loading in Essential Hypertension (to be known as Central Ohio Heart Association Project No. 1544 - New - Department of Medicine).  
Gross Value - \$5,460.00.

TOTAL - Industrial and Other Contracts \$119,900.04

The foregoing forty-one contracts for research in cooperation with Government, Industry and Other represent a gross income of \$826,688.04.

Upon motion of Mr. Patton, seconded by Mr. Loop, the research agreements between The Ohio State University and The Ohio State University Research Foundation for the above contracts were unanimously approved by roll call vote.

B. The Report of the Research Contracts  
from the Engineering Experiment Station

During the period from September 29, 1962 through November 2, 1962, the Engineering Experiment Station of The Ohio State University entered into the following research contracts. These research contracts are reported to the Board of Trustees for information and record:

1. Government Research Contracts

- |                    |   |
|--------------------|---|
| EES 171<br>Ext. #3 | A Financial Report for the Ohio Highway Needs Study,<br>Ohio Department of Highways, Columbus, Ohio, Bureau<br>of Public Roads, Department of Commerce, Washington,<br>D. C.<br>Gross Value - \$7,350.00      |
| EES 198<br>Ext. #1 | Development of Procedures for Evaluating Traffic Paints,<br>Ohio Department of Highways, Columbus, Ohio, Bureau<br>of Public Roads, Department of Commerce, Washington,<br>D. C.<br>Gross Value - \$12,120.00 |
| EES 219            | Development and Preparation of Motion Picture Training<br>Film re Back Siphonage of Water in Plumbing Systems,<br>State of Ohio, Department of Health, Columbus, Ohio.<br>Gross Value - \$30,500.00           |

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

B. The Report of the Research Contracts  
from the Engineering Experiment Station

1. Government Research Contracts (continued)

EES 220      Development of Sonic and Ultrasonic Power Devices for  
Application in Highway Engineering, Ohio Department  
of Highways, Columbus, Ohio, Bureau of Public Roads,  
Department of Commerce, Washington, D. C.  
Gross Value - \$135,600.00

The foregoing four contracts for research in the Engineering Experiment  
Station represent a gross income of \$185,570.00.

C. Memorandum of Agreement Between Miami University and  
The Ohio State University - Joint Use of Land for Dayton Campus

It is recommended that the following Agreement be approved for reasons  
stated therein.

MEMORANDUM OF AGREEMENT

WHEREAS, the president and trustees of the Miami University and the  
Board of Trustees of The Ohio State University have by their respective  
resolutions dated February 3, 1962, and March 15, 1962, expressed their  
intention to enter into the acquisition and construction of a joint academic  
facility in the Dayton, Ohio area, and

WHEREAS, a successful campaign to raise the sum of \$3,000,000 for  
this purpose was conducted by the Combined University Fund Committee,  
and

WHEREAS, certain private parcels of land are acquired or being  
acquired by major donors in lieu of pledged cash contributions to the fund  
campaign and are being held in trust for the use of the joint academic  
facility, and

WHEREAS, two parcels of federal land (described as the Skyway Tract  
and the MCD Tract) are required to complete the proposed campus site,  
said land being in the process of declaration of excess and surplus to the  
needs of the government, and

WHEREAS, the transfer to said government-owned land may be made  
by quit-claim deed to only one entity by the Department of Health, Education  
and Welfare at an appraised value subject to 100% public benefit allowance  
and other reservations, and

WHEREAS, the president and board of trustees of the Miami University  
are legally empowered to enter into such a transfer, and

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

C. Memorandum of Agreement Between Miami University and The Ohio State University - Joint Use of Land for Dayton Campus (continued)

WHEREAS, the president and board of trustees of the Miami University by their resolution dated November 16, 1962 are making application to the Department of Health, Education and Welfare for transfer to them of said government-owned tracts of land, then

BE IT HEREBY AGREED that, upon acquisition;

1. This government-owned land, together with the adjacent land acquired from private owners, will be used for conducting a joint academic program as authorized from time to time by the president and trustees of the Miami University and the Board of Trustees of The Ohio State University and as agreed upon from time to time by the Presidents of both institutions. Until such time as an official title is properly determined the title of the joint operation will be the Dayton Campus - Miami University - The Ohio State University.

2. The Ohio State University within legal limits will assume equal and joint responsibility with Miami University for compliance with all terms and conditions pertaining to disposal of surplus-government-owned lands as set forth in the most recent amendment of Part 12 of Title 45 CFR entitled Disposal and Utilization of Surplus Real Property and/or as called out in the document transferring subject tracts to Miami University.

Approved: The president and trustees of the  
Miami University

By \_\_\_\_\_  
Secretary

Date \_\_\_\_\_

The Board of Trustees of The  
Ohio State University

By \_\_\_\_\_  
Secretary

Date \_\_\_\_\_

Upon motion of Mr. Bricker, seconded by Mr. Loop, the above Agreement was unanimously approved by roll call vote, and the Secretary was instructed to execute the Agreement on behalf of the Board of Trustees.

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#### IV. GRANTS AND GIFTS

The following grants and gifts to the University are hereby reported for the record, and appropriate expression of appreciation has been conveyed:

##### A. Administered Through the Office of Business and Finance

1. \$293,800.00 granted by the National Science Foundation to the University for support of an "Academic Year Institute for Secondary School and College Teachers of Science and Mathematics," under the direction of Professor John S. Richardson, Department of Education. This grant terminates on or about September 30, 1964. (GE-280)

##### B. Received Through the Development Fund

1. \$26,300.00 from Resources for the Future, Inc. for a study on economics of solar energy.
2. \$7,500.00 from Research Corporation, New York 17, New York, for unrestricted research funds to be administered by Dr. Daryle H. Busch, Department of Chemistry.
3. \$7,191.38 in securities to be added to the LeCrone-Baxter Memorial Fund. These securities are listed at their mean market price as of July 11, 1962:

71 shares The Flintkote Company common stock	\$2,316.38
75 shares General Electric Company common stock	4,875.00
	<u>\$7,191.38</u>

The above securities received from the Estate of Helen L. Baxter, deceased, for the LeCrone-Baxter Memorial Fund makes a total of \$309,549.29 received from this Estate.

4. \$5,000.00 from General Electric Foundation for General Electric Research Fund for Mechanical Engineering.
5. \$5,000.00 from G. D. Searle & Co. for research in the Department of Obstetrics and Gynecology.
6. \$1,500.00 from H. L. Bache Foundation for support of a scholarship to be awarded to an upperclassman or graduate student in economics, finance, or business.
7. \$1,000.00 from Erie County Cancer Society for research in Department of Obstetrics and Gynecology.
8. \$1,000.00 from the Will of Hilda L. W. Crocker to The Ohio State University for deposit in the Unrestricted Gifts Endowment Fund.

IV. GRANTS AND GIFTS (continued)

B. Received Through the Development Fund (continued)

9. \$1,000.00 from Julia M. Strelitz of Marion, Ohio, for the Charles A. Doan Fund.

TOTAL - Through the Development Fund \$55,491.38

Upon motion of Mr. Patton, seconded by Mr. Loop, the above report of grants and gifts was accepted, and the Secretary was instructed to include the report in the minutes of this meeting.

C. Report from The Ohio State University Development Fund

In October, 1962, The Ohio State University Development Fund received gifts on behalf of the University as follows:

	<u>Number of Gifts</u>	<u>Amount</u>
Alumni	1,083	\$ 42,617.14
Individuals, Other Than Alumni	145	3,375.65
Non-Profit Organizations	21	1,661.89
Business Concerns	25	61,067.00
	<u>1,274</u>	<u>\$108,721.68</u>

Of these gifts, 985 totaling \$7,981.12 were undesignated and 289 totaling \$100,740.56 were designated.

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V. APPROPRIATION AND TRANSFER OF FUNDS

A. Construction of Water Storage Tank

The erection of a water storage tank west of the Olentangy River and an interconnection between this tank and the large capacity well located on University property at the west end of Hess Road will safeguard the University in case of interruption in its present water service. Since water service is the most vulnerable point in the University's total utility operation, this additional safeguard is deemed essential as the University grows geographically and as its enrollment and staff expands.

It is therefore recommended that an amount not to exceed \$200,000.00 be appropriated from the University Treasurer General Fund for the purpose of providing an elevated storage tank, the necessary accouterments such as check valves, manifolding, interconnecting and pumping equipment to provide the University with a complete alternate water supply system.

Upon motion of Mr. Bricker, seconded by Mr. Loop, the above recommendation was unanimously approved by roll call vote.

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VI. EXTRA ORDERS TO CONTRACTS

Upon the request of the Council on Business Affairs, and with the concurrence of the Cabinet, it is recommended that the Extra Orders to Contracts as outlined below be approved by the Board of Trustees and submitted to the Director of Finance, State of Ohio, for approval and allocation of funds as indicated.

A. Dormitory "F" for Women (Morrison Tower)

General Contract

It is recommended that enclosures be provided around the piping in Rooms 102 through 1002, 103 through 1003, 233, 333, 433, 235, 335 and 435.

Add   \$1,708.00

Funds will be provided from the Dormitory Construction Fund.

B. Industrial Engineering Building Repairs

General Contract

It is recommended that the existing pair of entrance doors and frame be removed and that new hollow metal doors, including frames, transoms, sub-framing, hardware and painting be furnished and installed.

Add   \$1,060.00

Funds will be provided from Account 2355 Physical Plant Maintenance, H.B. 1123.

C. College of Veterinary Medicine, Clinical Unit Building

It is recommended that Rooms 345 and 347 be completed. The original contract did not provide for finishing this area and the following extra orders should be issued:

General Contract	\$2,925.00	
Heating and Ventilating Contract	525.00	
<u>Total addition</u>		<u>\$3,450.00</u>

Funds will be provided from Account 19916, H.B. 1123.

Upon motion of Mr. Patton, seconded by Mr. Bricker, the above recommendation was unanimously approved by roll call vote.

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VII. PLANS AND SPECIFICATIONS

Upon the approval of the Council on Business Affairs, and with the concurrence of the Cabinet, it is recommended that the plans and specifications, bills of materials, and estimates of cost for the following projects be approved by the Board of Trustees:

A. Dining Facility - South

Funds for this project will be provided from the Dormitory Construction Fund. This project is in conformity with the approved Campus Master Plan.

B. Campus Lighting for Eight Parking Areas

Funds for this project will be provided from Account 2355 Physical Plant Maintenance, H.B. 1123.

C. Repairs to Room 148, University Hospital

Funds for this project will be provided from University Hospital Rotary.

Upon motion of Mr. Loop, seconded by Mr. Patton, the above recommendation was unanimously approved by roll call vote, and the Secretary was authorized and directed to sign the plans and specifications for the above projects for and on behalf of the Board of Trustees. Vice President Carson was directed to proceed with a request for bids in the normal University manner and if satisfactory bids are received, to proceed with the award of contracts. All action regarding this matter shall be reported to the Board of Trustees at a later meeting.

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VIII. REPORT OF AWARD OF CONTRACT

In accordance with authorization provided by the Board of Trustees, the contract for the following project has been recommended for award and the action is hereby reported to the Board:

A. College of Veterinary Medicine, Clinical Unit Building - Planting

Bids were received on October 17, 1962, and the award of contract was recommended to the lowest and best bidder as follows:

	<u>Low Bid</u>	<u>Est. of Cost</u>
(6 bids received)		
Slemmons Gardens, Inc. (Columbus)	\$3,059.00	\$3,784.75

Funds for this project will be provided from Item 710, H.B. 1123.

Upon motion of Mr. Bricker, seconded by Mr. Loop, the above award of contract and expenditure of funds were approved and the action of the Vice President, Business and Finance, ratified by unanimous roll call vote.

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IX. CONTROLLING BOARD AND EMERGENCY BOARD APPROVALS

Each numbered approval shown below accomplishes the following purposes:

A. Controlling Board Approvals

- 41 Approves an extra order in the amount of \$1,015.07 to the Heating and Ventilating Contract on the Veterinary Clinical Unit Building payable from H. B. 1123.
- 44 Approves the award of contract and the expenditure of funds for the Veterinary Clinical Unit Building - Planting project to the low bidder, Slemmons Gardens, Inc., in the amount of \$3,059.00 payable from H. B. 1123.
- 45 Authorizes ten-day advertising for the project Improved Lighting on the Campus.

B. Emergency Board Approval

- 3 Appropriates \$165,000.00 for the project Addition to Campbell Hall from the emergency allocation fund in S. B. 592.

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X. MISCELLANEOUS FROM OFFICE OF BUSINESS AND FINANCE

A. Special Policewoman Commission

At the request of the Vice President, Business and Finance, it is recommended that Norma J. Walker be designated as Special Policewoman pursuant to the provisions of Section 3345.04 of the Revised Code of Ohio; and that in further compliance with the provisions of said section the Board of Trustees require Mrs. Walker, as well as any other employee of this institution designated as Special Policewoman, to take the oath of office and give bond to the State of Ohio in an amount not less than One Thousand Dollars (\$1,000.00) prior to assuming the duties of Special Policewoman.

Upon motion of Mr. Loop, seconded by Mr. Patton, the above recommendation was unanimously approved by roll call vote.

B. Purchase of Buildings and Property, 176 West Frambes Avenue

It is recommended that the Vice President, Business and Finance, be authorized to proceed with the purchase of the following property from Rebekah C. and John A. Atchison at a price of \$12,150.00:

Property known as 176 West Frambes Avenue, being  
Lot #185, R. P. Woodruff's Agricultural College Addition,  
City of Columbus, County of Franklin, State of Ohio.

Funds are available in Item 750 Land Purchases, H. B. 1123.

Upon motion of Mr. Patton, seconded by Mr. Loop, the above recommendation was unanimously approved by roll call vote.

X. MISCELLANEOUS FROM OFFICE OF BUSINESS AND FINANCE (continued)

C. Purchase of Buildings and Property, 145 and 145 1/2 West Lane Avenue

It is recommended that the Vice President, Business and Finance, be authorized to proceed with the purchase of the following property from Thomas K. Bell at a price of \$12,500.00:

Property known as 145 and 145 1/2 West Lane Avenue, being Lot #241, R. P. Woodruff's Agricultural College Addition, City of Columbus, County of Franklin, State of Ohio.

Funds are available in Item 750 Land Purchases, H.B. 1123.

Upon motion of Mr. Patton, seconded by Mr. Loop, the above recommendation was unanimously approved by roll call vote.

D. Purchase of Buildings and Property, Lot No. 30, Second Wood-Brown County Addition

It is recommended that the Vice President, Business and Finance, be authorized to proceed with the purchase of the following property from Cameron C. and Eleanor C. Early at a price of \$2,200.00:

Property known as Lot No. 30 of Second Wood-Brown County Addition, Clinton Township, County of Franklin, State of Ohio.

Funds are available in the University Treasurer General Fund.

Upon motion of Mr. Patton, seconded by Mr. Loop, the above recommendation was unanimously approved by roll call vote.

E. Purchase of Buildings and Property, 2445 Wood Avenue

It is recommended that the Vice President, Business and Finance, be authorized to proceed with the purchase of the following property from Emma Handing at a price of \$2,200.00:

Property known as 2445 Wood Avenue, being Lot #45, Second Wood-Brown County Addition, Clinton Township, County of Franklin, State of Ohio.

Funds are available in the University Treasurer General Fund.

Upon motion of Mr. Patton, seconded by Mr. Loop, the above recommendation was unanimously approved by roll call vote.

X. MISCELLANEOUS FROM OFFICE OF BUSINESS AND FINANCE (continued)

F. Purchase of Buildings and Property, 157 West Lane Avenue

It is recommended that the Vice President, Business and Finance, be authorized to proceed with the purchase of the following property from Hattie Keffer at a price of \$12,000.00:

Property known as 157 West Lane Avenue, being  
Lot #238, R. P. Woodruff's Agricultural College  
Addition, City of Columbus, County of Franklin,  
State of Ohio.

Funds are available in Item 750 Land Purchases, H.B. 1123.

Upon motion of Mr. Patton, seconded by Mr. Loop, the above recommendation was unanimously approved by roll call vote.

G. Demolition of Buildings

Upon the request of the Vice President, Business and Finance, and with the concurrence of the Cabinet, it is recommended that all buildings located on the following property be demolished as soon as practical:

850 Preston Avenue  
2406 Wood Avenue  
2435 Wood Avenue

This demolition will be accomplished in the normal University manner.

Upon motion of Mr. Bricker, seconded by Mr. Loop, the above recommendation was unanimously approved by roll call vote.

H. Demolition of Kinsman Hall

The Campus Master Plan approved by the Board of Trustees on February 16, 1962, provides for the elimination of Kinsman Hall. The physical condition of the building is such that maintenance costs are high in relation to the small amount of usable space provided. The occupants can now be accommodated in other spaces assigned to the College of Medicine without detriment to any part of the program. It is, therefore, recommended that the Vice President, Business and Finance, be authorized to proceed with this demolition in the normal University manner and that funds in an amount not to exceed \$15,000.00 be appropriated from the University Treasurer General Fund for this work.

Upon motion of Mr. Bricker, seconded by Mr. Patton, the above recommendation was unanimously approved by roll call vote.

X. MISCELLANEOUS FROM OFFICE OF BUSINESS AND FINANCE (continued)

I. East Stadium - Personnel Research and Aviation Psychology

It is recommended that W. E. Monks, Engineer, Columbus, Ohio, be employed to provide complete professional engineering services for this project including preliminary plans, basic drawings, working drawings, specifications, estimate of cost, necessary bidding documents and complete field supervision of construction for the heating, ventilating and air conditioning, plumbing and electrical work.

The fee for this service will be calculated on a percentage basis of 6 per cent of the cost of the mechanical contracts or an estimated fee of \$2,220.00. Funds will be provided from Account 714, H.B. 1123.

Upon motion of Mr. Loop, seconded by Mr. Patton, the above recommendation was unanimously approved by roll call vote.

J. Purchase of Buildings and Property, 156 West Frambes Avenue

It is recommended that the Vice President, Business and Finance, be authorized to proceed with the purchase of the following property from Clyde P. and Leeomo G. Mason at a price of \$13,000.00:

Property known as 156 West Frambes Avenue, being  
Lot #180 R. P. Woodruff's Agricultural College Addition,  
City of Columbus, County of Franklin, State of  
Ohio.

Funds are available in Item 750 Land Purchases, H.B. 1123.

Upon motion of Mr. Bricker, seconded by Mr. Patton, the above recommendation was unanimously approved by roll call vote.

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XI. RESOLUTION IN MEMORIAM

President Fawcett reported to the Board the death of Herman L. Wirthwein, Assistant Professor Emeritus of Physical Education, and in accordance with instructions of the Board of Trustees, a copy of the following resolution expressing on behalf of the University the sorrow and sympathy of the Board has been furnished to the family of the deceased.

A. Herman L. Wirthwein

The Board of Trustees expresses its sorrow at the death on October 13, 1962 of Herman L. Wirthwein, Assistant Professor Emeritus of Physical Education.

Herman Wirthwein was born in Columbus, Ohio, on September 17, 1891. He attended The Ohio State University where he was graduated from the College of Agriculture in 1913.

XI. RESOLUTION IN MEMORIAM (continued)

A. Herman L. Wirthwein (continued)

Professor Wirthwein assumed the position of Head Tennis Coach in 1926 and continued in this capacity for thirty years, although he was also Director of Recreation for the City of Columbus from 1929-1932. Throughout his career, he divided his time between coaching and teaching physical education activities. From 1956 until he retired in 1961, he devoted all his time to physical education.

During his tenure as a faculty member, Mr. Wirthwein pioneered coaching clinics in Ohio and the Midwest. He wrote a booklet, "Tennis for Beginners," which was adopted as a text by the University as well as other educational institutions in the Midwest. As President of the Midwest Tennis Coaches Association and as an officer in the National Tennis Association, he devoted considerable time and energy in upgrading the organization and promoting this sport. During World War II the physical conditioning of hundreds of military personnel, who were stationed on the campus, was assigned to him.

During his long and fruitful years of teaching and coaching, Herman Wirthwein contributed much to the efficient living of faculty and students in the University community. He will be remembered for his work at Camp Connibuck, Vermont, where he spent his summers. In this position he was instrumental in encouraging young boys to lead wholesome and useful lives.

On behalf of the entire University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It is directed that this resolution be inscribed upon the minutes of the Board of Trustees.

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XII. REPORTS

A. Reports from the Finance and Investment Committee

Mr. Patton, Chairman of the Finance and Investment Committee, presented the following recommendations and moved their adoption:

1. Accountant's Report on the University Dormitory Revenue Bond Funds

It is recommended that the Accountant's Report on The Ohio State University Dormitory Revenue Bond Funds, including the financial statements as of June 30, 1962, which was submitted by Peat, Marwick, Mitchell & Co. be received and filed with the official documents of the Board of Trustees.

Mr. Bricker seconded the motion, and the above recommendation was approved by unanimous roll call vote.

XII. REPORTS (continued)

A. Reports from the Finance and Investment Committee (continued)

2. Appropriation for Vice President for Research

It is recommended that the action taken by the Board of Trustees on September 7, 1962 relative to the appropriation of funds to the Cabinet Officers be amended to include the Vice President for Research in the list of Cabinet Officers.

Mr. Loop seconded the motion, and the above recommendation was approved by unanimous roll call vote.

3. Report on Investment Portfolio

The report on the University's Investment Portfolio dated October 31, 1962 was presented to the Board of Trustees. The Secretary was instructed to file a copy of the report with the official records of the Board of Trustees.

B. Report of the President 1961-62

Mr. Frederick Stecker, Executive Director, University Relations, distributed copies of the President's Annual Report - The Ohio State University - A Community of the Mind. He pointed out that the report is based on the theme that the University offers opportunity, embraces responsibility, and fosters excellence. Mr. Stecker further invited the comments, criticisms, and suggestions of the Board. Nine thousand copies of this report will be distributed in the next few days to the University faculty and administrative officers and to selected alumni and public officials.

Mr. Ketner expressed appreciation and commendation to those responsible for the preparation of the Annual Report.

C. Report on Highlights of Campus Activities

In concluding the meeting, President Fawcett reviewed some of the highlights of the campus activities as compiled by the Executive Director, Office of University Relations.

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Thereupon the Board adjourned to meet Thursday, December 13, 1962, at the University.

Attest:

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John T. Mount  
Secretary

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Forrest G. Ketner  
Chairman

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THE OHIO STATE UNIVERSITY  
OFFICIAL PROCEEDINGS OF THE  
NINE HUNDRED AND SEVENTY-SIXTH MEETING  
OF THE BOARD OF TRUSTEES

Columbus, Ohio, December 13, 1962

The Board of Trustees met at its regular monthly meeting on Thursday, December 13, 1962, at The Ohio State University, Columbus, Ohio, pursuant to adjournment.

Present: Smith L. Rairdon, Alan B. Loop, Jacob E. Davis, Stanley C. Allyn, and John W. Bricker. In the absence of the Chairman, Mr. Forrest G. Ketner, and the Vice Chairman, Mr. Thomas F. Patton, and upon the motion of Mr. Bricker, seconded by Mr. Allyn, the Board of Trustees unanimously elected Mr. Smith L. Rairdon, to serve as the Acting Chairman for this meeting.

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The minutes of the last meeting were approved.

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President Fawcett presented the following recommendations:

I. GENERAL RECOMMENDATION

A. Degrees Conferred - 1962 Autumn Quarter Commencement Convocation

It is recommended that degrees be conferred at the December 14, 1962 Commencement Convocation to those students who have completed their requirements for their respective degrees and have been approved by the Faculty Council. The names of those awarded degrees will be included in the minutes of this meeting. (See Appendix III, page 211.)

Upon motion of Mr. Allyn, seconded by Mr. Loop, the above recommendation was unanimously approved by roll call vote.

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II. PERSONNEL CHANGES

It is recommended that all personnel changes since the November 16, 1962 meeting of this Board, as recorded in the official "Salary Roll" of the University, be approved by the Board. These changes include the following Promotion, Appointment, Leaves of Absence With Salary, Leaves of Absence Without Salary, and Emeritus Title:

A. Promotion

Ralph M. Johnson from Director of the Laboratories of the Institute of Nutrition and Food Technology to Director of the Institute of Nutrition and Food Technology, effective March 1, 1963.

B. Appointment

Arnold E. Ross, Professor and Chairman, Mathematics, effective September 1, 1963, at a salary of \$23,268.00 per annum.

C. Leaves of Absence With Salary

In accordance with the policy approved by the Board of Trustees on April 12, 1954, the following-named persons are recommended for Leaves of Absence With Salary from the Agricultural Extension Service for the period indicated:

Werner E. Becher, Instructor (County Extension Agent, 4-H) Van Wert County, January 1, 1963 through June 15, 1963, to study at The Ohio State University.

Lucy V. Fogg, Instructor (County Extension Agent, Home Economics) Greene County, January 1, 1963 through March 31, 1963, to study at The Ohio State University.

II. PERSONNEL CHANGES (continued)

C. Leaves of Absence With Salary (continued)

John E. Moore, Instructor (County Extension Agent, Agriculture) Madison County, January 1, 1963 through June 15, 1963, to study at The Ohio State University.

Maynard G. Muntzing, Instructor (County Extension Agent, 4-H) Ross County, January 1, 1963 through March 15, 1963, to study at The Ohio State University.

Berman E. Ross, Instructor (County Extension Agent, Agriculture) Warren County, January 1, 1963 through March 15, 1963, to study at The Ohio State University.

Richard E. Young, Instructor (County Extension Agent, 4-H) Lake County, January 1, 1963 through March 15, 1963, to study at The Ohio State University.

D. Leaves of Absence Without Salary

I. Keith Tyler, Professor, Bureau of Educational Research and Service, January 1, 1963 through June 30, 1963, to work with the United Arab Republic in Cairo, Egypt, under a grant from the Americans Abroad Division of the Cultural Exchange Department of State, to advise the Ministry of Education regarding school and adult education television.

Margaret C. Tyler, Assistant Professor and Research Associate, Bureau of Educational Research and Service and Supervisor, Telecommunications Center, January 1, 1963 through June 30, 1963, to work in Egypt on the project listed above.

Carl R. Blue, Instructor (County Extension Agent, 4-H) Trumbull County, January 1, 1963 through June 15, 1963, to study at The Ohio State University.

Bobbie D. Davis, Instructor (County Extension Agent, 4-H) Washington County, January 1, 1963 through August 31, 1963, to study at the University of Maryland.

Patsy Lee Glass, Instructor (County Extension Agent, Home Economics) Clermont County, January 1, 1963 through August 31, 1963, to study at Cornell University.

Ralph E. LaRue, Instructor (County Extension Agent, 4-H) Brown County, January 1, 1963 through December 31, 1963, to study at The Ohio State University.

## II. PERSONNEL CHANGES (continued)

### E. Emeritus Title

Frank G. Haskins, Agricultural Extension Service, with the title Instructor (County Extension Agent, Agricultural) Emeritus, effective February 1, 1963.

Upon motion of Mr. Davis, seconded by Mr. Allyn, the Promotion, Appointment, Leaves of Absence With Salary, Leaves of Absence Without Salary, Emeritus Title, and the personnel changes recorded in the official "Salary Roll" of the University were unanimously approved by roll call vote, and the Secretary was instructed to file these changes in the "Salary Roll" with the official documents of the University.

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## III. GENERAL CONTRACTS AND AGREEMENTS

### A. The Ohio State University and The Ohio State University Research Foundation

In accordance with the Memorandum of Agreement between The Ohio State University and The Ohio State University Research Foundation approved by this Board on September 5, 1950, it is recommended that the research agreements for the following projects administered through the Research Foundation be approved and recorded in the minutes of this meeting.

#### 1. Government Contracts - Federal

- a. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for Studies in Primate Learning and Perception (to be known as National Institutes of Health Project No. 887 - Ext. #4 - Department of Psychology).  
Gross Value - \$23,197.00.
- b. Headquarters, Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, for Intermittent Research Analysis (to be known as Aeronautical Systems Division Project No. 930 - Sup. #12 - RF Internal Supervision).  
Gross Value - \$90,000.00.
- c. Department of the Navy, Office of Naval Research, Washington D. C., for an Investigation of Voice Communication (to be known as Office of Naval Research Project No. 1002 - Amend. #5 - Department of Speech).  
Gross Value - \$17,044.00.
- d. Headquarters, Electronic Systems Division, Laurence G. Hanscomb Field, Bedford, Massachusetts, for Analysis of Global and Specific Gravity Measurements (to be known as Electronic Systems Division Project No. 1058 - Mod. #7 - Department of Geodetic Science).  
Gross Value - \$5,000.00.

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

- e. Headquarters, Rome Air Development Center, Griffiss Air Force Base, New York, for High Gain Antenna Realization and Tracking Study (to be known as Rome Air Development Center Project No. 1072 - Mod. #8 - Department of Electrical Engineering).  
Gross Value - \$200,000.00.
- f. Headquarters, Electronic Systems Division, Laurence G. Hanscom Field, Bedford, Massachusetts, for a Study of Emission Spectra by Phase-discrimination Methods (to be known as Electronic Systems Division Project No. 1078 - Mod. #5 - Department of Physics).  
Gross Value - \$24,591.00.
- g. Headquarters, Electronic Systems Division, Laurence G. Hanscom Field, Bedford, Massachusetts, for A Theoretical Study of the Modification in Echo Area of Space Vehicles Due to Their Local Space Environment (to be known as Electronic Systems Division Project No. 1116 - Mod. #6 - Department of Electrical Engineering).  
Gross Value - \$120,000.00.
- h. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for Clinical Research Center (to be known as National Institutes of Health Project No. 1196 - Ext. #2 - Department of Medicine).  
Gross Value - \$389,709.00.
- i. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Ventricular Depolarization in Heart Malformations (to be known as National Institutes of Health Project No. 1215 - Ext. #2 - Department of Veterinary Physiology and Pharmacology).  
Gross Value - \$26,129.00.
- j. Agency for International Development, Washington 25, D. C., for Preparing and Conducting Series of Training Courses in Fundamentals of Supply Management for Foreign Nationals (to be known as Agency for International Development Project No. 1221 - Amend. #1 - Defense Management Center).  
Gross Value - \$17,649.00.
- k. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Conduction Mechanism in Experimental Hyperpathia (to be known as National Institutes of Health Project No. 1230 - Ext. #2 - Department of Surgery).  
Gross Value - \$5,865.00.

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

- l. Department of State, Agency for International Development, Washington 25, D. C., for Refresher Training Courses in Supply Management for AID Advisors (to be known as Agency for International Development Project No. 1236 - Amend. #2 - Defense Management Center).  
Gross Value - \$11,540.00.
- m. Headquarters, Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, for Research to Determine the Inhibiting Effects of Borders on Visibility (to be known as Aeronautical Systems Division Project No. 1241 - Mod. #5 - School of Optometry).  
Gross Value - \$10,000.00.
- n. Institute of Technology, Air University, United States Air Force, Wright-Patterson Air Force Base, Ohio, for Research and Services to Further Develop Curricula and Present Courses of Instruction, Advanced Logistics Course and Air Materiel Command Logistics Education Program, and Executive Engineering for the Civil Engineering Center (to be known as Institute of Technology, WPAFB, Ohio Project No. 1343 - Sup. #8 - Defense Management Center).  
Gross Value - \$133,471.00.
- o. National Aeronautics and Space Administration, George C. Marshall Space Flight Center, Huntsville, Alabama, for an Investigation of Theory of the Shape and Gravity Field of the Moon (to be known as National Aeronautics and Space Administration Project No. 1377 - Mod. #3 - Department of Geodetic Science).  
Gross Value - \$25,000.00.
- p. U. S. Atomic Energy Commission, Chicago Operations Office, 9800 South Cass Avenue, Argonne, Illinois, for an Investigation of Kinetics of Ionizing-Radiation Induced Reactions in Organic Compounds (to be known as U. S. Atomic Energy Commission Project No. 1398 - Sup. #1 - Department of Chemistry).  
Gross Value - \$25,893.00.
- q. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Blood Flow to Human Teeth (to be known as National Institutes of Health Project No. 1400 - Ext. #1 - College of Dentistry).  
Gross Value - \$6,785.00.

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

- r. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for Physiologic Studies in Newly Born Human Infants (to be known as National Institutes of Health Project No. 1408 - Ext. #1 - Children's Hospital). Gross Value - \$29,380.00.
- s. Headquarters, Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, for Research Studies on the Fluid Dynamics of High Enthalphy Flow (to be known as Aeronautical Systems Division Project No. 1427 - C. O. #2 - Department of Aeronautical and Astronautical Engineering). Gross Value - \$9,989.00.
- t. Headquarters, Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, for Technical Services to Provide Intermittent Research Analysis on Materials and Associated Problems (to be known as Aeronautical Systems Division Project No. 1473 - Mod. #1 - RF Internal Supervision). Gross Value - \$150,000.00.
- u. Air Force Institute of Technology, Air University, United States Air Force, Wright-Patterson Air Force Base, Ohio, for Research and Services to Revise and Present Courses of Instruction in Graduate Logistics, School of Logistics Short Courses and in Executive Engineering for the Civil Engineering Center (to be known as Institute of Technology, WPAFB, Ohio Project No. 1498 - New - Defense Management Center). Gross Value - \$619,673.00.
- v. Headquarters, U. S. Army Biological Laboratories, Fort Detrick, Frederick, Maryland, for Salivary Studies on Mosquitoes (to be known as U. S. Army Biological Laboratories Project No. 1510 - New - Department of Zoology and Entomology). Gross Value - \$15,000.00.
- w. Headquarters, Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, for Research on Techniques for Promoting Long Term Retention of Learned Skills (to be known as Aeronautical Systems Division Project No. 1512 - New - Department of Psychology). Gross Value - \$50,700.00.
- x. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Mechanism of Thyroid Hormone Action (to be known as National Institutes of Health Project No. 1516 - Ext. #1 - Department of Agricultural Biochemistry). Gross Value - \$9,775.00.

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

- y. U. S. Navy Purchasing Office, 929 South Broadway, Box 5090  
Metropolitan Station, Los Angeles 55, California, for a Study  
Program Related to Shipboard Antenna System Environment  
(to be known as U. S. Navy Purchasing Office Project No.  
1522 - New - Department of Electrical Engineering).  
Gross Value - \$98,953.00.
- z. National Science Foundation, Washington 25, D. C., for an  
Investigation of X-ray Scattering at Low Temperatures in Liquids  
and Solids (to be known as National Science Foundation Project  
No. 1542 - New - Department of Physics and Astronomy).  
Gross Value - \$32,000.00.
- aa. Sandia Corporation, Purchasing Organization, P. O. Box 5800,  
Albuquerque, New Mexico, for Research Investigation of  
Uranium Corrosion (to be known as Sandia Corporation Project  
No. 1545 - New - Department of Metallurgical Engineering).  
Gross Value - \$22,177.00.
- bb. National Science Foundation, Washington 25, D. C., for Nuclear  
Structure Experiments (to be known as National Science Foundation  
Project No. 1548 - New - Department of Physics and Astronomy).  
Gross Value - \$170,000.00.
- cc. National Aeronautics and Space Administration, Washington 25,  
D. C., for Preparation of Career Guidance Materials in Space  
Sciences and Technology (to be known as National Aeronautics  
and Space Administration Project No. 1549 - New - Department  
of Education).  
Gross Value - \$2,625.00.
- dd. Department of State, Agency for International Development,  
Washington 25, D. C., Research, Prepare and Develop Courses  
in Management of Material Resources for AID Supply, Trade and  
Material Resources Advisors (to be known as Agency for Inter-  
national Development Project No. 1551 - New - Defense Manage-  
ment Center).  
Gross Value - \$3,432.00.
- ee. National Science Foundation, Washington 25, D. C., for an  
Investigation of Forced Vibrations on Rods Penetrating Soils (to  
be known as National Science Foundation Project No. 1555 - New -  
Engineering Experiment Station).  
Gross Value - \$44,100.00.



III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

- ff. National Science Foundation, Washington 25, D. C., for an Investigation of Physical Phenomena at Very Low Temperatures (to be known as National Science Foundation Project No. 1557 - New - Department of Physics and Astronomy).  
Gross Value - \$259,000.00.
- gg. National Science Foundation, Washington 25, D. C., for an Investigation of Inorganic Derivatives of the Metal Carbonyls (to be known as National Science Foundation Project No. 1558 - New - Department of Chemistry).  
Gross Value - \$40,700.00.
- hh. National Science Foundation, Washington 25, D. C., for an Investigation of Kinetic Interpretation of Non-Newtonian Flow (to be known as National Science Foundation Project No. 1559 - New - Department of Chemistry).  
Gross Value - \$50,900.00.
- ii. National Science Foundation, Washington 25, D. C., for an Investigation of Quantum Field Theory (to be known as National Science Foundation Project No. 1560 - New - Department of Physics and Astronomy).  
Gross Value - \$40,000.00.
- jj. Headquarters, Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, for An Investigation of Interdiffusion in Metallic Single Crystals (to be known as Aeronautical Systems Division Project No. 1561 - New - Department of Metallurgical Engineering).  
Gross Value - \$26,816.00.
- kk. National Science Foundation, Washington 25, D. C., for an Investigation of Detonation Properties of Heterogeneous Combustible Mixtures (to be known as National Science Foundation Project No. 1563 - New - Department of Aeronautical and Astronautical Engineering).  
Gross Value - \$49,800.00.
- ll. National Science Foundation, Washington 25, D. C., for Support of the Institute of Polar Studies, 1963-64 (to be known as National Science Foundation Project No. 1564 - New - Institute of Polar Studies).  
Gross Value - \$25,000.00.

TOTAL - Government Contracts - Federal \$2,881,893.00

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

2. Industrial and Other Contracts

- a. Health Research, Inc., Roswell Park Division, 666 Elm Street, Buffalo 3, New York, for Lung Cancer Study (to be known as Health Research, Inc. Project No. 1358 - Checks #6890 and #6930 - Department of Surgery).  
Gross Value - \$2,770.00.
- b. The Regents of the University of Wisconsin, Madison 6, Wisconsin, for Drug Evaluation Program of the CCNSC in the Central Region, USA (to be known as The Regents of the University of Wisconsin Project No. 1395 - Vouchers #25552 and #32954 - Department of Surgery).  
Gross Value - \$8,154.00.

TOTAL - Industrial and Other Contracts \$10,924.00

The foregoing forty contracts for research in cooperation with Government, Industry and Other represent a gross income of \$2,892,817.00.

Upon motion of Mr. Loop, seconded by Mr. Davis, the research agreements between The Ohio State University and The Ohio State University Research Foundation for the above contracts were unanimously approved.

B. The Report of the Research Contracts  
from the Engineering Experiment Station

During the period from November 3, 1962 through November 30, 1962, the Engineering Experiment Station of The Ohio State University entered into the following research contracts. These research contracts are reported to the Board of Trustees for information and record.

1. Government Research Contract

EES 202     Electronic Devices as Traffic Aids, Ohio Department of  
Ext. #1     Highways, Columbus, Ohio, Bureau of Public Roads,  
              Department of Commerce, Washington, D. C.  
              Gross Value - \$120,000.00.

2. Industrial Research Contract

EES 167     Consultation on the Structures of Fibrous Crystals,  
Ext. #2     Owens-Corning Fiberglas Corporation, Granville, Ohio.  
              Gross Value - \$12,000.00.

The foregoing two contracts for research in the Engineering Experiment Station represent a gross income of \$132,000.00.

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#### IV. GRANTS AND GIFTS

The following grants and gifts to the University are hereby reported for the record and an appropriate expression of appreciation has been conveyed:

##### A. Administered Through the Office of Business and Finance

1. \$91,200.00 granted by the National Science Foundation to the University for support of a "Summer Institute in Mathematics for Secondary School Teachers of Mathematics" under the direction of Professor Robert C. Fisher, Department of Mathematics. This grant terminates on or about September 30, 1963. (Grant GE-225)
2. \$54,700.00 granted by the National Science Foundation to the University for support of a "Summer Institute in Science for Secondary School Teachers of Science" under the direction of Professor John S. Richardson, Department of Education. This grant terminates on or about September 30, 1963. (Grant GE-195)
3. \$49,800.00 granted by the National Science Foundation to the University for support of a "Summer Institute in Chemistry for Secondary School Teachers of Chemistry" under the direction of Professor W. Thomas Lippincott, Department of Chemistry. This grant terminates on or about September 30, 1963. (Grant GE-545)
4. \$39,800.00 granted by the National Science Foundation to the University for support of a "Summer Institute in Geology and the Nature of Science for Secondary School Teachers of General Science" under the direction of Professor Edmund M. Spieker, Department of Geology. This grant terminates on or about September 30, 1963. (Grant GE-544)
5. \$34,500.00 granted by the National Science Foundation to the University for support of a "Summer Institute in Physics for College Teachers of Physics" under the direction of Professor William R. Riley, Department of Physics. This grant terminates on or about September 30, 1963. (Grant GE-407)

TOTAL - Through Office of Business and Finance \$270,000.00

##### B. Received Through the Development Fund

1. \$18,150.00 from General Motors Corporation for support of 20 undergraduate scholarships.
2. \$12,602.50 received as a gift-in-kind from Berger Associates, Ltd. This gift, appraised at \$12,602.50, is a Pace Dataplotter, Model 3033B-LP and Amplifier Group 18-6A-4, designated for use of the College of Engineering, Department of Electrical Engineering.
3. \$8,000.00 from the American Dairy Association for research in the Department of Dairy Technology.
4. \$5,000.00 from Eli Lilly and Company for research under the direction of Dr. Ralph M. Johnson to study the influence of protozoal activity on rumen metabolism.

December 13, 1962 meeting, Board of Trustees

IV. GRANTS AND GIFTS (continued)

B. Received Through the Development Fund (continued)

5. \$3,000.00 from Frederick C. Gloeckner Foundation, Inc. for support of a graduate student in floriculture.
6. \$1,528.49 from Ervin G. Bailey, a former member of the Development Fund Board, was an undesignated gift to the University.
7. \$1,091.58 from the Estate of Joseph Cohan to be added to the Joseph Cohan Memorial Fund. This brings the total for this fund to \$29,841.58.

TOTAL - Through the Development Fund \$49,372.57

Upon motion of Mr. Bricker, seconded by Mr. Loop, the above report of grants and gifts was accepted, and the Secretary was instructed to include the report in the minutes of this meeting.

C. Report from The Ohio State University Development Fund

In November, 1962, The Ohio State University Development Fund received gifts on behalf of the University as follows:

	<u>Number of Gifts</u>	<u>Amount</u>
Alumni	1,121	\$12,420.28
Individuals, Other Than Alumni	52	1,547.35
Non-Profit Organizations	27	29,476.60
Business Concerns	13	46,301.41
	<u>1,213</u>	<u>\$89,745.64</u>

Of these gifts, 978 totaling \$21,195.99 were undesignated and 235 totaling \$68,549.65 were designated.

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V. APPROPRIATIONS AND TRANSFER OF FUNDS

A. Grants-in-Aid for Research and Assigned Research Duty

The Board of Trustees at its meeting on October 19, 1953 declared its intention to allocate funds for research fellowships, assistants, grants-in-aid, and allied supports for research to be distributed on a basis to be determined by the President.

On September 8, 1961 the Board authorized the establishment of the University Treasurer Research Account with six subaccounts for specific purposes. Subaccount (d), identified as Research Fellowships and Grants, was established to be used for making research grants including fellowships and upon the recommendation of the President an annual allocation of \$250,000.00 for this purpose was approved.

V. APPROPRIATIONS AND TRANSFER OF FUNDS (continued)

A. Grants-in-Aid for Research and Assigned Research Duty (continued)

Through a recent reorganization of procedures for the administration of "indirect cost" income derived from research, the Engineering Experiment Station will transfer to the University Treasurer Research Account the "indirect cost" income from research grants, effective January 1, 1963, thereby increasing the funds available for research grants.

Therefore, upon the recommendation of the Vice President for Research and with the concurrence of the Vice President for Business and Finance and of the Cabinet, it is recommended that \$275,000.00 be transferred to Subaccount (d), Research Fellowships and Grants, for the 1963-64 year.

Upon motion of Mr. Allyn, seconded by Mr. Davis, the transfer of \$275,000.00 for the purpose recommended above was approved by unanimous roll call vote.

B. Remodeling Projects

At the request of the Vice President, Business and Finance, and with the concurrence of the President's Cabinet, it is recommended that \$55,000.00 be appropriated from Subaccount (f) of the University Treasurer Research Account for small remodeling projects which are approved by the President and for which no state-appropriated funds are available.

Upon motion of Mr. Davis, seconded by Mr. Loop, the above recommendation for appropriation of funds was unanimously approved by roll call vote.

C. Equipment and Physical Facilities for Research Projects

At the request of the Vice President, Business and Finance, and with the concurrence of the Cabinet, it is recommended that \$10,000.00 be appropriated from Subaccount (f) of the University Treasurer Research Account to the Research Facilities Rotary 19603 for the emergency purchase or repair of equipment and the enlargement or rearrangement of space to provide continuation of current research projects and/or contracts which have been processed through the Research Foundation or the Business Office.

This is a renewal of Board actions of September 1, 1958, November 6, 1959, and October 6, 1961 which appropriated \$10,000.00 each year for the purposes indicated.

Upon motion of Mr. Davis, seconded by Mr. Bricker, the above recommendation for appropriation of funds was approved by unanimous roll call vote.

D. Additional Space at the Research Center for the  
Institute of Nutrition and Food Technology

At the request of the Vice President for Research, and with the concurrence of the Vice President for Business and Finance and the Cabinet, it is

V. APPROPRIATIONS AND TRANSFER OF FUNDS (continued)

D. Additional Space at the Research Center for the  
Institute of Nutrition and Food Technology (continued)

recommended that \$15,800.00 be appropriated from Subaccount (b) of the University Treasurer Research Account for remodeling work at the Research Center to provide additional space for the Institute of Nutrition and Food Technology.

Upon motion of Mr. Loop, seconded by Mr. Davis, the above recommendation was unanimously approved by roll call vote.

E. Construction of Aircraft Hangar No. 4, University Airport

On July 13, 1962 the Board of Trustees appropriated an amount not to exceed \$250,000.00, which was a preliminary estimate, to be advanced from the University Treasurer General Fund for the construction of a large aircraft hangar.

More accurate costs for the construction of Phase I and Phase II of this project have now been developed and it is recommended therefore, that the Board of Trustees increase the original appropriation to an amount not to exceed \$300,000.00. This appropriation will cover the total cost of the construction of Aircraft Hangar No. 4, including the architect's fees and other miscellaneous costs. This is a self-liquidating project to be amortized over a period not to exceed 25 years, at 4 per cent interest, the repayment to be returned to the University Treasurer General Fund.

Upon motion of Mr. Allyn, seconded by Mr. Bricker, the above recommendation for appropriation of funds was unanimously approved by roll call vote.

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VI. EXTRA ORDERS TO CONTRACTS

At the request of the Council on Business Affairs, and with the concurrence of the Cabinet, it is recommended that the Extra Order to Contract and the Change in Wage Rates as outlined below be approved by the Board of Trustees and submitted to the Director of Finance, State of Ohio, for approval and allocation of funds as indicated.

A. Repair and Resurface Sidewalks on Campus

It is recommended that additional walks on campus be resurfaced and new walks be constructed where need has been shown. The cost is based on the unit prices given by the contractor at the time the original contract was bid.

Add      \$7,767.02

Funds will be provided from Maintenance Account 200, H. B. 1123.

VI. EXTRA ORDERS TO CONTRACTS (continued)

B. Student Housing, Building No. 3 (Blackburn House)

It is recommended that the Wage Scale as established by the U. S. Department of Labor be made a part of the General, Heating and Ventilating and Air Conditioning, Plumbing and Electrical Contracts as provided on Page 15a of the General Conditions of the original contracts for these divisions. This scale is supplemental to the Wage Rates as determined by the Ohio Department of Industrial Relations. Where there is a difference in rates between these two schedules for any classification, the higher rate shall govern. These rates effect no change in the contract cost.

Upon motion of Mr. Davis, seconded by Mr. Loop, the above recommendation was unanimously approved by roll call vote.

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VII. REPORT OF AWARD OF CONTRACTS

In accordance with authorization provided by the Board of Trustees, the contracts for the following projects have been recommended for award and the action is hereby reported to the Board:

A. Campus Lighting for Eight Parking Areas

Bids were received on November 13, 1962 and the award of contract recommended to the lowest and best bidder as follows:

	<u>Low Bid</u>	<u>Est. of Cost</u>
(8 bids received)		
Pence Electric Company (Columbus)	\$ 36,462.00	\$ 45,000.00

Funds for this project will be provided from Maintenance Fund 200, H. B. 1123.

B. Repair Electrical Substation "A" Feeder to Pharmacy and Bacteriology Building

Bids were received on November 16, 1962 and the award of contract recommended to the lowest and best bidder as follows:

	<u>Low Bid</u>	<u>Est. of Cost</u>
(9 bids received)		
Jess Howard Electric Company (Cols.)	\$ 11,444.00	\$ 14,770.00

Funds for this project will be provided from Maintenance Fund 200, H. B. 1123.

VII. REPORT OF AWARD OF CONTRACTS (continued)

C. Repair and Remodel Steam Lines in Tunnel Between Animal Science and Agricultural Administration Building

Bids were received on November 16, 1962 and the award of contract recommended to the lowest and best bidder as follows:

	<u>Low Bid</u>	<u>Est. of Cost</u>
(7 bids received)		
The Huffman-Wolfe Company	\$ 7,188.00	\$ 8,000.00

Funds for this project will be provided from Maintenance Fund 200, H. B. 1123.

D. Hangar No. 4, University Airport (Phase II)

Bids were received on December 4, 1962, and the award of contracts was recommended to the lowest and best bidders as follows:

	<u>Low Bid</u>	<u>Est. of Cost</u>
<u>General Contract</u>		
(5 bids received)		
Timmons, Butt and Head, Inc. (Cols.)		
Base Bid	\$ 59,945.00	\$ 57,000.00
Alt. G-1 Additional 60' x 120'		
Hangar Floor Slab	9,945.00	14,000.00
Alt. G-2 South Taxiway	3,800.00	5,000.00
Alt. G-3 South Parking Area	1,730.00	1,600.00
Alt. G-4a Insulation Under Hangar		
Floor	2,150.00	4,000.00
Alt. G-4b Insulation Under Alternate		
Floor	1,000.00	2,000.00
Alt. G-5 Insulation Under Office		
Floor	340.00	600.00
Total General Contract	<u>\$ 78,910.00</u>	<u>\$ 84,200.00</u>

Heating Contract

(8 bids received)

Piping Contractors Co. (Columbus)		
Base Bid	\$ 21,990.00	\$ 24,000.00
Alt. H-1 Heating in Alternate		
Hangar Area	2,850.00	6,500.00
Total Heating Contract	<u>\$ 24,840.00</u>	<u>\$ 30,500.00</u>

Plumbing Contract

(9 bids received)

Piping Contractors Co. (Columbus)		
Base Bid	\$ 14,928.00	\$ 16,500.00
Alt. P-1 Plumbing in Alternate		
Area	1,312.00	500.00
Total Plumbing Contract	<u>\$ 16,240.00</u>	<u>\$ 17,000.00</u>



VII. REPORT OF AWARD OF CONTRACTS (continued)

D. Hangar No. 4, University Airport (Phase II) (continued)

	<u>Low Bid</u>	<u>Est. of Cost</u>
<u>Electrical Contract</u>		
(6 bids received)		
Pence Electric Co. (Columbus)		
Base Bid	\$ 16,954.00	\$ 20,000.00
Alt. E-1 Electrical in Alternate Area	2,555.00	4,500.00
Alt. E-2 Four Ramp Lights - North End	509.00	700.00
Alt. E-3 Ramp Light - South End	143.00	200.00
Total Electrical Contract	<u>\$ 20,161.00</u>	<u>\$ 25,400.00</u>
<u>Total Contracts</u>	<u>\$140,151.00</u>	<u>\$157,100.00</u>

Funds will be provided from Item 801 University Airport Hangar No. 4, H. B. 1123, for this project.

Upon motion of Mr. Davis, seconded by Mr. Allyn, the above award of contracts and expenditure of funds were approved and the action of the Vice President, Business and Finance, ratified by unanimous roll call vote.

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VIII. CONTROLLING BOARD APPROVALS

Each numbered approval shown below accomplishes the following purposes:

- 47 Authorizes the expenditure of \$2,300.00 for the employment of real estate appraisers from Account 750 Land Purchase, H. B. 1123.
- 48 Authorizes the expenditure of \$12,500.00 for the purchase of the property at 145 and 145 1/2 West Lane Avenue, Columbus, Ohio, from Account 750 Land Purchase, H. B. 1123.
- 50 Authorizes the expenditure of \$12,000.00 for the purchase of the property at 157 West Lane Avenue, Columbus, Ohio, from Account 750 Land Purchase, H. B. 1123.
- 51 Authorizes the expenditure of \$12,500.00 for the purchase of property at 176 West Frambes Avenue, Columbus, Ohio, from Account 750 Land Purchase, H. B. 1123.
- 52 Approves the expenditure of \$36,462.00 from Maintenance Account 200, H. B. 1123, to provide funds for the contract for "Campus Lighting for Eight Campus Areas."
- 54 Authorizes the expenditure of \$13,000.00 for the purchase of property at 156 West Frambes Avenue, Columbus, Ohio, from Account 750 Land Purchase, H. B. 1123.

VIII. CONTROLLING BOARD APPROVALS (continued)

- 55 Approves the expenditure of \$11,444.00 from Maintenance Account 200, H. B. 1123, to provide funds for the contract for "Repair of Electrical Substation 'A' Feeder to Pharmacy and Bacteriology Building."
- 56 Authorizes the expenditure of \$7,188.00 from Maintenance Account 200, H. B. 1123, to provide funds for the contract for "Repair and Remodel Steam Lines in Tunnel Between Animal Science and Agricultural Administration Building."

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IX. MISCELLANEOUS FROM OFFICE OF BUSINESS AND FINANCE

A. Student Housing, Building #12 (Drackett Tower)

It is recommended that W. E. Monks, Engineer, Columbus, Ohio, be employed to provide complete professional engineering services for heating, ventilating and air conditioning, plumbing, and electrical work for the above project, including design, preparation of drawings, specifications and estimate of cost, and complete field supervision of construction.

The fee for this service will be calculated on a percentage basis of 5 per cent of the cost of the mechanical work or an estimated fee of \$50,753.00. Funds will be provided from Dormitory Construction Funds.

Upon motion of Mr. Allyn, seconded by Mr. Loop, the above recommendation was unanimously approved by roll call vote.

B. Student Housing, Building #12 (Drackett Tower)

It is recommended that Fling & Eeman, Inc., Engineers, Columbus, Ohio, be employed to provide professional engineering services for the structural system, including design calculations, drawings, specifications, and complete supervision of construction for structural work.

The fee for this service will be calculated on a percentage basis of one per cent of the cost of the General Contract or an estimated fee of \$13,455.00.

Funds will be provided from Dormitory Construction Funds.

Upon motion of Mr. Davis, seconded by Mr. Allyn, the above recommendation was unanimously approved by roll call vote.

C. Withdrawal from Dividend Reserve on Group Life Insurance

It is recommended that Vice President Carson be authorized to make application to John Hancock Mutual Life Insurance Company for the withdrawal of \$70,000.00 from the dividend reserve account on Group Life Insurance Policy No. 1305-G in order to make expenditures for supplemental

IX. MISCELLANEOUS FROM OFFICE OF BUSINESS AND FINANCE (continued)

C. Withdrawal from Dividend Reserve on Group Life Insurance (continued)

retirement benefits to our emeriti in accordance with Board action of July 10, 1959; for major medical coverage for emeriti in accordance with Board action of April 10, 1959; and death benefits as approved by action of the Board of Trustees on July 11, 1955.

Upon motion of Mr. Bricker, seconded by Mr. Allyn, the above recommendation was unanimously approved by roll call vote.

D. Purchase of Building and Property, 161 West Lane Avenue

It is recommended that the Vice President, Business and Finance, be authorized to proceed with the purchase of the following property from Ralph W. Drayer at a price not to exceed \$12,000.00:

Property known as 161 West Lane Avenue, being  
Lot #237, R. P. Woodruff's Agriculture College  
Addition, City of Columbus, County of Franklin,  
State of Ohio. Owner of record is Ralph W. Drayer.

In the event Mr. Drayer refuses to accept the offer of \$12,000.00, it is further recommended that the Vice President, Business and Finance, be authorized to institute appropriation proceedings to acquire the above property.

Upon motion of Mr. Bricker, seconded by Mr. Davis, the above recommendation was unanimously approved by roll call vote.

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X. RESOLUTION IN MEMORIAM

President Fawcett reported to the Board the death of Robert Earnest Smith, Professor Emeritus of Education, and in accordance with instructions of the Board of Trustees, a copy of the following resolution expressing on behalf of the University the sorrow and sympathy of the Board has been furnished to the family of the deceased.

A. Robert Earnest Smith

The Board of Trustees expresses its sorrow at the death on November 23, 1962 of Robert Earnest Smith, Professor Emeritus of Education.

Robert Earnest Smith was born in Garryhinch, Kings County, Ireland, December 18, 1879. He obtained his early education in the schools of Ireland and England, came to the United States in 1897, and served as a pattern maker for the Jeffrey Manufacturing Company, Columbus, Ohio, until he received his appointment as an Assistant in Woodworking in the College of Engineering at The Ohio State University in 1912. Even though he had not completed a formal program of education in a secondary school, he was accepted as a special student at The Ohio State University where he

X. RESOLUTION IN MEMORIAM (continued)

A. Robert Earnest Smith (continued)

received his Bachelor of Science degree in education. Professor Smith received the Master of Arts degree in 1926 and the Doctor of Philosophy degree in 1928 from this institution.

Dr. Smith served the University as a member of the staff from 1912 when he became an Assistant of Woodworking in the College of Engineering. He became an Instructor of Manual Training and Industrial Education in 1917, an Assistant Professor of Industrial Education in 1925, an Associate Professor of Industrial Arts Education in 1930, and a full Professor in 1940. During his 38 years at Ohio State, he guided the research activities of 185 master's and eight doctoral candidates. His publications consist of a series of eight widely used textbooks which have had a large and wholesome influence on Industrial Arts and Vocational Education. Following his retirement in 1950, he joined the faculty of Southern Illinois University where for eight years he served as a Professor of Industrial Education and Acting Chairman of the Department during an interim period.

Following his retirement, the Robert E. Smith Student Loan Fund was established in his honor by the students he had served. His significant contribution to Vocational Education was recognized in 1958 through the presentation of the Outstanding Service Award of the American Vocational Association. Four years later, March, 1962, he was honored by the Ohio Industrial Arts Association by being awarded the first Honorary Membership of the Association. Professor Smith was a member of Iota Lambda Sigma, Kappa Phi Kappa, Phi Delta Kappa, Epsilon Pi Tau, honorary educational fraternities. His other memberships included the Ohio Vocational Association, The American Vocational Association, The Association for Student Teaching and the Masonic Lodge. He was listed in Who's Who in American Education.

Dr. Smith's life was full and rewarding. The many students who came under his influence had their horizons extended and their lives enriched through his patience, wisdom, and sound judgment. His influence on Industrial Arts Education both at The Ohio State University and throughout the country will long be recognized.

On behalf of the entire University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It is directed that this resolution be inscribed upon the minutes of the Board of Trustees.

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## XI. REPORTS

### A. Reports from the Finance and Investment Committee

#### 1. Rescinding the Action of April 6, 1962 Relating to the Employment of Special Bond Counsel for Parking and Traffic

Mr. Allyn presented the following report and recommendation:

At the meeting of the Board of Trustees held on April 6, 1962, the President and the Vice President, Business and Finance, were authorized to proceed with the development of a self-liquidating financing plan for construction of parking ramps, engaging a consultant in connection therewith. In the same meeting, the Board approved a resolution requesting of the Attorney General appointment of bond counsel.

On July 13, 1962 the Board of Trustees authorized employment of Wilbur Smith & Associates as project consultant. After the date of the April 6, 1962 meeting the general feasibility of the program has been studied and to some extent questioned. It now is recognized that in order to proceed, if at all, with the parking ramps on a self-liquidating basis, the Board should await the results of Wilbur Smith & Associates' studies which now cover the entire area of feasibility. The suggestion was made, in light of the foregoing, that the request for appointment of special bond counsel was premature. Therefore, it was recommended that action of the Board of April 6, 1962 in requesting such special bond counsel be rescinded.

Upon motion of Mr. Allyn, seconded by Mr. Davis, the above recommendation was unanimously approved by roll call vote.

#### 2. Report on Investment Portfolio

The report on the University's Investment Portfolio dated November 30, 1962 was presented to the Board of Trustees. The Secretary was instructed to file a copy of the report with the official records of the Board of Trustees.

### B. Report on the Status of the Guest Speakers Rule

President Fawcett reported the developments relating to the Guest Speakers Rule, which developments have taken place since the October 11 informal meeting of the Board of Trustees with the Faculty Advisory Committee to the President and the Board of Trustees.

The President's report included reference to

- (a) the report and recommendation of the Faculty Advisory Committee which was presented to the Faculty Council on November 6, 1962 and tabled by the Faculty Council until its December 11 meeting. At the December 11 meeting of the Faculty Council after a full and complete debate, action was taken to recommit the report and recommendation to the Faculty Advisory Committee for restudy, revision and re-submission to the Faculty Council. (A copy of this report is on file with the official records of the Board of Trustees.)

XI. REPORTS (continued)

B. Report on the Status of the Guest Speakers Rule (continued)

- (b) the Student Senate proposal for modification of the Guest Speakers Rule submitted through the Council on Student Affairs to the Faculty Council,
- (c) the resolution adopted by the Council on Student Affairs regarding the invitation of guest speakers by student organizations,
- (d) the resolution passed by the American Association of University Professors which supported in principle the Student Senate proposal relating to rules for guest speakers.

Copies of the foregoing three documents have been forwarded to the Faculty Advisory Committee for consideration since this Committee by faculty rules is charged with the continuing responsibility for evaluating the University's policy on guest speakers. Copies of these documents were in the hands of members of the Board of Trustees in advance of this meeting.

The President further reported that he had been advised by the President of the Student Senate via telephone that 3,004 student signatures out of a possible 28,160 on-campus students had been secured on a petition supporting the Student Senate's position relating to guest speakers.

Whereupon Mr. Davis presented the following statement and resolution:

Mr. Chairman, in keeping with our discussions with the Faculty Advisory Committee in October and in light of the desires of the Faculty Council as expressed at their December 11 meeting, it seems advisable at this time to remove any doubt and ambiguity with respect to the authority of the President under the Guest Speakers Rule. To clarify his authority, I offer the following resolution and move that it be adopted:

Be it resolved that Faculty Rule 21.09 relating to guest speakers be amended by adding Section 3, to read as follows:

Section 3. The President shall have the authority to review, on his own initiative or otherwise, requests to invite guest speakers and decisions relating to invitations to guest speakers, and to take such action as, in his judgment, he deems necessary or advisable in the best and over-all interests of the University.

Mr. Allyn seconded the motion to adopt the above resolution and stated "It should be emphasized that this action is for clarification purposes only." Mr. Davis reported that he had been requested by Mr. Thomas F. Patton to announce at the meeting that if he were present he would vote for the adoption of this resolution. Mr. Bricker reported that he had a similar request from the Chairman of the Board, Mr. Ketner.

Thereupon the Board of Trustees by unanimous roll call vote adopted the above resolution adding Section 3 to Faculty Rule 21.09.

XI. REPORTS (continued)

B. Report on the Status of the Guest Speakers Rule (continued)

President Fawcett presented the following statement:

Statement on Guest Speakers Rule presented by  
President Novice G. Fawcett to the Board of Trustees  
December 13, 1962

Having been informed by the Board of Trustees at its October meeting with the Faculty Advisory Committee to the President and Board of Trustees of the Board's intention to make the clarification of the Guest Speakers Rule at the meeting today, I should like to take this opportunity to advise the Board and those present of my views on the subject. The action you have just taken adds Section 3 to Faculty Rule 21.09 and is as follows:

Section 3: The President shall have the authority to review, on his own initiative or otherwise, requests to invite guest speakers and decisions relating to invitations to guest speakers, and to take such action as, in his judgment, he deems necessary or advisable in the best and over-all interests of the University.

As I view your action this addition adds nothing new to the Rule but merely clarifies the authority of the President. The Board's decision is not in conflict with the action of the Faculty Council to recommit this problem to the Faculty Advisory Committee, which Committee carries the responsibility for a continuing study of this matter. No meeting of the Committee and the Board of Trustees for the discussion of the Speakers Rule or other appropriate matters will be called for several months. During this period some sober reflection should take place on this campus to the end that further discussions can proceed in a dispassionate atmosphere free from the quibbling and pressures that to a large degree have distracted some faculty, staff and students from their central tasks. The existing Speakers Rule has worked satisfactorily for several years with only an occasional controversial incident. There has been no instance in which a topic or issue has been held to be "too controversial" for intelligent discussion on our campus. There has been no instance of what some call "thought control." The issue has centered on the person and not on the idea to be explored in depth.

Just as we attempt to maintain high standards in the selection of faculty members, teaching assistants, and curricular content in our classrooms, so should we strive for high standards in those other educational experiences that are provided for students on the campus but which are outside of the formal classroom setting. We select and retain faculty members who exhibit high standards of character and integrity and who have intellectual depth in their teaching and research fields. When we ask others to assist in the education of our students, certainly it is not asking too much to insist that guest speakers also bring high standards to our campus.

XI. REPORTS (continued)

B. Report on the Status of the Guest Speakers Rule (continued)

President Fawcett's Statement on Guest Speakers Rule (continued)

I have stressed many times and I repeat again my strong belief in the right of our faculty and students to examine and to explore honestly and objectively all such controversial matters as are in keeping with the high standards of excellence this University has achieved. I shall continue with all of my vigor to defend this right in every case that is marked by the moral and intellectual integrity characteristic of scholars and students engaged in free and responsible inquiry. This dimension of freedom is the keystone of a great university. However, controversy for controversy's sake does not contribute to progress and does not strengthen the image of this University as it strives to discharge its responsibility to society. Our greatest need at the present time is for a united effort on the part of faculty, students, and staff to further the growth of this University in the face of almost unprecedented problems related to quantity of students, to the so-called knowledge explosion, and to the needs of society for highly-educated citizens. These problems are worthy of the best efforts of us all and to their solution we should dedicate ourselves.

Major decisions on this campus evolve out of long deliberation and earnest consultation so that the best knowledge at a given point in time can impinge on the solutions to problems. This campus is blessed with some of the finest intellects in the world. I pledge my continuing best efforts to the process of intelligent consultation with all appropriate groups to the end that problems may be resolved in an atmosphere of mutual respect and confidence.

C. Annual Report for The Ohio State University Research Foundation and the Engineering Experiment Station

Mr. Mount reported that the Annual Report for The Ohio State University Research Foundation and the Engineering Experiment Station have been received. A copy of each report will be mailed to each member of the Board of Trustees and one copy of each report will be filed with the official records of the Board of Trustees.

D. Report on Highlights of Campus Activities

In concluding the meeting, President Fawcett reviewed some of the highlights of campus activities during the past month as compiled by the Executive Director, Office of University Relations.

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Thereupon the Board adjourned to meet Friday, February 15, 1963, at the University at ten o'clock.

Attest:

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John T. Mount  
Secretary

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Smith L. Rairdon  
Acting Chairman



## APPENDIX III

Degrees Conferred at  
THE OHIO STATE UNIVERSITY COMMENCEMENT  
December 14, 1962

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## RECIPIENTS OF HONORS

### JOHN HARVEY KNOX

#### DOCTOR OF SCIENCE

*Rare combination of teacher and administrator, researcher, animal scientist, student counsellor, and advisor to livestock producers*

John Harvey Knox, Professor and Head of the Department of Animal Husbandry, New Mexico State University, has dedicated himself to the advancement of the science of his choice. He is a rare combination of teacher and administrator, research scientist, counsellor to students, and advisor to livestock producers. His ability to communicate at all levels of learning and thus to make available his vast fund of knowledge is one of his greatest attributes. His masterful teaching ability, along with his many accomplishments in his field of science, brought him the first Distinguished Teacher Award presented by the American Society of Animal Production in 1959.

A native of Geauga County, Ohio, he received the Bachelor of Science degree from The Ohio State University in 1921. In 1935, he became head of the Animal Husbandry Department at New Mexico College of Agriculture and Mechanic Arts (now New Mexico State University). He is active in Sigma Xi and Alpha Zeta, and is frequently asked to serve as advisor to student organizations.

His foresight and recommendations have led to many techniques for the improvement of production on New Mexico ranches. One of his outstanding accomplishments has been in connection with the need for mineral supplements. From statewide analysis of grasses, he determined the areas which were deficient in minerals essential to good livestock production. Ultimately he proved that adding phosphorus to livestock feed would result in increased calf crops and an improvement in grade and weight of the cattle produced. Ninety-five percent of the cattlemen in New Mexico now feed a phosphorus supplement as a result of his research.

Other contributions include the use of protein supplements for range cattle, Vitamin A studies, the use of salt to control intake of self-fed supplements, and pioneering work in production testing that has demonstrated the relationship of the type and size of beef cattle to optimum production.

Professor Knox has also had the vision to see that this information would be of little value without communicating it to those who need it. To this end he organized "Ranch Days," "Feeders' Days," and "Cattle Breeders' Schools."

Mr. Knox has been a vice president of the American Society of Animal Production and a long-time member of the executive committee of the New Mexico Cattleman's Association. He has won the admiration and respect of New Mexico cattlemen, and in 1954 was the first "college man" selected by them as "Cattleman of the Year," an honor reserved for those of outstanding accomplishment.

## ROGER TORY PETERSON

### DOCTOR OF SCIENCE

*Conservationist and student of nature whose dedication, observation and artistry have enriched the lives of men by opening to the world the joys of an informed appreciation of birds and other wildlife*

Roger Tory Peterson concentrates his entire being on observing and recording in word and picture the world of nature which he loves so much. His reputation as a pre-eminent ornithologist, conservationist, nature illustrator, and author is world wide. One of his field guides, now in its third edition, 30th printing, has sold more than 600,000 copies. *Wild America* (1955) is on the best seller lists; other books of his are now being printed in 12 languages. As editor of a classic series of field guides on wildlife, including flowers, trees, shells, rocks, insects, birds, and mammals, he is exerting a powerful influence on the study and observation of natural history, both at the amateur and professional levels. His superb paintings illustrate many books and pamphlets and adorn the rooms of many institutions and homes.

Between 1931 and 1934, Mr. Peterson was an instructor in science and art at the Rivers School in Brookline, Massachusetts. He was art editor of *Audubon* magazine from 1934-1943 and has served on the administrative staff of the National Audubon Society, in charge of educational activities. Since 1946 he has been a dynamic and outstanding Audubon Screen Tour lecturer.

He holds an honorary D.Sc. (1953) from Franklin and Marshall College. Several national and foreign ornithological and nature-study organizations have awarded gold medals for his contributions to wildlife and nature study. These include the Brewster Memorial Medal of the American Ornithological Union; the John Burroughs Medal "for exemplary nature writing"; the Geoffrey St. Hilare gold medal of the French Natural History Society for his "outstanding work on European birds"; and the Gold Medal of the New York Zoological Society.

For more than a year he travelled across the face of western Europe, from Lapland to Gibraltar studying European birds and adding greatly to the knowledge of them. As a member of the Yale University Patagonian Expedition, he surveyed bird life during a 14,000 mile journey into the southern tip of South America. At present he is completing work on a field guide to Mexican birds and conducting researches and gathering data for a work on the sea birds of the world.

Largely because of this man, the study of nature has become the pursuit and hobby of millions of persons in many countries. His distinguished work has been a major force in bringing diverse peoples more closely together in mutual appreciation of nature and of each other.

## HAZEL KATHERINE STIEBELING

DOCTOR OF SCIENCE

*Dedicated research scientist in nutrition who is internationally recognized for her contributions to the betterment of human life*

Hazel Katherine Stiebeling, Deputy Administrator of the Agricultural Research Service, United States Department of Agriculture, directs research in home economics that benefits most families and individuals in the United States and many in other parts of the world. As a result of her contributions to the science of nutrition and to the well-being of people everywhere, she received in 1959 the President's Award for Distinguished Federal Civilian Service, the highest award that can be granted to a civilian government employee. She is the first woman to have been so honored.

A native of Haskins, Ohio, Hazel Stiebeling began her professional career in Findlay, where she taught home economics in the public schools. After having taught nutrition at Kansas State Teachers' College, she attended Columbia University and completed requirements for the doctorate. In 1930, she was employed by the United States Department of Agriculture. The nation was deep in depression, and incomes were low or nonexistent. For those thousands of persons in need, Hazel Stiebeling was able to translate her scientific knowledge of human nutritional requirements into practical guides for providing the best diets possible at the least cost. Through her efforts, basic schedules for adequate diets at different levels of income became available for the first time.

Shortly after joining the Department of Agriculture she initiated family food consumption studies. Much credit belongs to Dr. Stiebeling for the comprehensive knowledge available today concerning the dietary patterns of the people in this country and the nutritional adequacy of the food they consume. She was instrumental in developing techniques for obtaining data on population groups and for interpreting the findings in terms of dietary adequacy. The methods devised continue to be used worldwide.

Since 1936 when she attended her first international conference on nutrition, Dr. Stiebeling has worked actively on world-nutrition problems. She holds the distinction of having been a representative of this country at almost all such international conferences for the past twenty years. The United States' delegations to the Regional Food and Agricultural Conference in Uruguay (1948) and in Brazil (1950) were under the leadership of Dr. Stiebeling.

Hazel Stiebeling, acclaimed for her capabilities as scientist and administrator, is distinguished for her professional achievements. Humility is the common denominator of all that she does. Her judgments are tempered by understanding tolerance, her contacts by friendliness and warmth, and her influence by respect for the dignity of mankind.

## GRADUATE SCHOOL

Acting Dean: RICHARD ARMITAGE

### Doctor of Philosophy

- Delmar Carl Anderson, B.Sc. in Edu., M.A.....Edgerton  
*Dissertation: The Number and Nature of Alternatives as an Index of Intelligibility*  
*Field of Specialization: Speech*
- Mithra Gandham Augustine, B.Sc. (Andhra University); M.A.  
(University of Madras).....Kurnool, Andhra, India  
*Dissertation: Studies on Host Plant Selection by the Mexican Bean Beetle, Epilachna varivestis Muls.*  
*Field of Specialization: Entomology*
- Jagdev Singh Bajwa, B.A., B.Sc.Eng. (Punjab University); M.Sc.  
Hoshiarpur, Punjab, India  
*Dissertation: Analysis of a Magamp-Servomotor System*  
*Field of Specialization: Electrical Engineering*
- Abraham Joseph Bassett, B.A. (Bowling Green State University); M.A.  
Columbus  
*Dissertation: The Actor-Manager Career of William Charles MacReady*  
*Field of Specialization: Speech*
- Lawrence Romaine Bidwell, B.Met.E., M.Sc.....Dayton  
*Dissertation: The Relative Thermodynamic Properties of Nickel-Palladium Solid Solutions*  
*Field of Specialization: Metallurgical Engineering*
- John Mark Boyd, B.M.E., M.Sc.....Youngstown  
*Dissertation: The Development of Generalized Compressibility Factor Data for Natural Gas Mixtures and Methods for Their Use*  
*Field of Specialization: Mechanical Engineering*
- Harold William Brockman, B.S. in Ed. (Capital University); M.A.  
Columbus  
*Dissertation: A Critical Study of the Use of the Terms "Necessary Conditions" and "Sufficient Conditions" in the Teaching of Mathematics*  
*Field of Specialization: Education*
- John Robert Brydle, A.B. (Muhlenberg College); M.Ed. (Wayne State University).....Allentown, Pa.  
*Dissertation: Principles and Practices for Schools Preparing to Use Programmed Instruction*  
*Field of Specialization: Education*
- David Royal Buchanan, B.S. (Capital University).....Columbus  
*Dissertation: A Neutron and X-Ray Diffraction Determination of the Structure and Amplitudes of Thermal Motion in Crystalline Aluminum Chloride Hexahydrate*  
*Field of Specialization: Chemistry*
- Marshall Roy Burkes, B.S. (Oklahoma State University); M.S.  
(Purdue University).....Bradley, Okla.  
*Dissertation: Changes in the Financial Strength and Structure of Agricultural Business Organizations*  
*Field of Specialization: Agricultural Economics and Rural Sociology*

- Amornrat Pratatsuntornsarn Chareonchai, B.Sc. in Food Tech., M.Sc.  
Bangkok, Thailand  
*Dissertation: The Effect of Fasting and Re-feeding on the Incorporation of Palmitate-C-14 into Various Lipids of Normal and Regenerating Liver*  
*Field of Specialization: Home Economics*
- Rama Bai Chintakindi, B.Sc. (University of Mysore); M.Sc.  
Bangalore, India  
*Dissertation: Structure and Bonding in Polymorphs of Crystalline Boron: A Self-consistent Field Density-Matrix Formulation and Symmetry Reduction of the Secular Equation in the LCAO Approximation for  $\alpha$ -Rhombohedral Boron*  
*Field of Specialization: Electrical Engineering*
- Joe Coupland, B.S. in Agri.Ed., M.Agri.Ed. (Auburn University)  
Odenville, Ala.  
*Dissertation: Importance of Units of Instruction in the High School Vocational Agriculture Curriculum*  
*Field of Specialization: Agricultural Education*
- Loretta Mae Denman, B.Sc. in Edu.; M.Litt. (University of Pittsburgh)  
Pittsburgh, Pa.  
*Dissertation: Patients' Perceptions of the Therapeutic Functioning of Nursing Personnel in a Psychiatric Setting*  
*Field of Specialization: Education*
- Robert Vincent DeVore, B.S. (University of Michigan); B.Sc. in Bus. Adm., M.Sc. .... Worthington  
*Dissertation: Low Energy Bremsstrahlung Cross-Sections for a Nitrogen Plasma*  
*Field of Specialization: Electrical Engineering*
- Vir Abhimanyu Singh Dhaka, B.Sc. (Agra University); M.Sc. (Rajputana University); M.Sc. .... Abohar, Punjab, India  
*Dissertation: The Effect of a Magnetic Field on the Forward Characteristics of Long Germanium Junction Diodes*  
*Field of Specialization: Electrical Engineering*
- Donald Lou Dinsel, B.S. (Pennsylvania State Teachers College, Indiana); M.Sc. .... Altoona, Pa.  
*Dissertation: An Investigation of the Analytical Properties of Anthranilic Acid and Some of Its Derivatives*  
*Field of Specialization: Chemistry*
- Dona Doreen Ditty, B.S. in H.E. (Carnegie Institute of Technology); M.S. (Pennsylvania State University) .... Summerville, Pa.  
*Dissertation: Social-Psychological Aspects of Clothing Preferences of College Women*  
*Field of Specialization: Home Economics*
- Robert Dan Dixon, B.Sc., M.Sc. .... Union  
*Dissertation: A Generalization of an  $\Omega$  Result in Multiplicative Number Theory*  
*Field of Specialization: Mathematics*
- Harry Robert Dodge, B.Sc. in Bus.Adm., M.B.A. .... Columbus  
*Dissertation: Non-financial Incentives for First-Level Sales Executives*  
*Field of Specialization: Business Organization*
- Frank Mayo Dudley, B.S. (University of Georgia); M.A. .... Tampa, Fla.  
*Dissertation: The Relationship of Preparation and Professional Status to the Decisions of Science Teachers*  
*Field of Specialization: Education*

- James Edward Duemmel, B.A., M.A.....Columbus  
*Dissertation: Equivalent Norms and the Characteristic of Subspaces in the Conjugate of a Normed Linear Space*  
*Field of Specialization: Mathematics*
- Saradindu Dutta, B.S. (University of Calcutta); B.V.Sc. (Bengal Veterinary College); M.Sc. (University of Wisconsin) ...Calcutta, India  
*Dissertation: Distribution and Fate of Ouabain- $H^3$  and Dihydro-ouabain- $H^3$  in the Rat and Sheep, and Ouabain- $H^3$  in Man*  
*Field of Specialization: Veterinary Physiology and Pharmacology*
- Billy Zane Egan, A.B. (Berea College); M.Sc.....Kingsport, Tenn.  
*Dissertation: Reactions of Diborane with 1, 2-Ethanedithiol*  
*Field of Specialization: Chemistry*
- Harold Morton Epstein, B.S. (E.Phys.) (University of Colorado) Columbus  
*Dissertation: Polarization of Neutrons from the  $N^{14}(d,n_0)$   $O^{15}$  Reaction at 1.32 Mev*  
*Field of Specialization: Physics*
- John Rutledge Ervin, B.S. (West Virginia Institute of Technology) Columbus  
*Dissertation: An Analysis of Severance Taxation Including Possible Application to the Ohio Tax System*  
*Field of Specialization: Economics*
- Joseph Frederick Frasch, B.S. (Capital University); M.A.....Columbus  
*Dissertation: An Evaluative Survey of Franklin University*  
*Field of Specialization: Education*
- Norman George, B.A.; M.B.A. (University of Pittsburgh).....Dayton  
*Dissertation: Supervisors' Identification with Management: A Study of Comparative Values and Job Effectiveness*  
*Field of Specialization: Business Organization*
- Binayak Ghosh, B.Sc., M.Sc. (University of Calcutta).....Calcutta, India  
*Dissertation: The Radioactive Decay of Iridium-186*  
*Field of Specialization: Physics*
- Pearl Mayo Gore, A.B. (Tennessee Agricultural and Industrial State University); M.A.....Tallahassee, Fla.  
*Dissertation: Individual Differences in the Prediction of Subject Compliance to Experimenter Bias*  
*Field of Specialization: Psychology*
- Kenneth Eugene Guyer, Jr., B.A. (University of Texas); M.Sc. White Deer, Tex.  
*Dissertation: Studies on the Isolation and Analysis of Glyceryl Ethers*  
*Field of Specialization: Physiological Chemistry*
- Robert Louis Hamlin, B.Sc. in Agr., D.V.M., M.Sc.....South Euclid  
*Dissertation: Evaluation of the Simultaneous Indicator-Dilution Method for Detecting Mitral Regurgitation in Dogs*  
*Field of Specialization: Veterinary Physiology and Pharmacology*
- Wilbur Leason Hankey, Jr., B.S. (Pennsylvania State University); S.M. (Massachusetts Institute of Technology); M.Sc.....Dayton  
*Dissertation: Optimization of Lifting Re-entry Configurations*  
*Field of Specialization: Aeronautical and Astronautical Engineering*
- Harold Eugene Huber, B.Sc. in Phar., M.Sc.....Worthington  
*Dissertation: The Utilization of Electrocardiograms, Electrocuticograms, and Blood Pressure Measurements of Albino Rats as a Means of Evaluating Pharmaceutical Preparations*  
*Field of Specialization: Pharmacy*



- Albert Oscar Humbertson, Jr., B.S. (Marietta College) Parkersburg, W. Va.  
*Dissertation: A Chronological Study of the Degeneration Phenomena of Dorsal Root Ganglia Cells Following Section of the Sciatic Nerve*  
*Field of Specialization: Anatomy*
- Allan Stuart Jackson, B.A. (University of Colorado); M.A.....Columbus  
*Dissertation: The Perspective Landscape Scene in the English Theatre, 1660-1682*  
*Field of Specialization: Speech*
- Violet Burden Jackson, B.S.Ed. (Central State College); M.A...Wilberforce  
*Dissertation: Successful and Unsuccessful Elementary School Children: A Study of Some of the Factors That Contribute to School Success*  
*Field of Specialization: Education*
- Ki Dong Kang, B.S. (Seoul National University); M.Sc.....Seoul, Korea  
*Dissertation: The Mechanisms for Oxidation of Silicon and Diffusion of Donor and Acceptor Impurities into the Oxide for a Silicon-Silicon Dioxide System*  
*Field of Specialization: Electrical Engineering*
- John Joseph Kennedy, B.S. in M.E. (Newark College of Engineering, New Jersey); M.B.A.....Scranton, Pa.  
*Dissertation: Description and Analysis of the Organization of the Firm in the Defense Weapon Contract Industry*  
*Field of Specialization: Business Organization*
- James Lester Knox, B.S.E.E. (University of Tennessee); M.S.E. (University of Michigan).....Granville  
*Dissertation: Propagational Phase Variation Measurements at Very Low Frequencies*  
*Field of Specialization: Electrical Engineering*
- Joyce Kathleen Parr Lo Bello, A.B. (William Jewell College)....Columbus  
*Dissertation: The Use of Galvanic Skin Response (GSR) to Study Relationship in Counseling Interviews*  
*Field of Specialization: Psychology*
- Georgianna Wuletich Lord, B.S. (Northwestern University); A.M. (University of Chicago).....Gary, Ind.  
*Dissertation: The Annihilation of Art in the Poetry of Wallace Stevens*  
*Field of Specialization: English*
- Joseph William Love, B.S. (Louisiana State University and Agricultural and Mechanical College); M.Sc.....Monroe, La.  
*Dissertation: An Investigation of Flower Bud Initiation of Greenhouse Chrysanthemums as Affected by Several Photoperiods at Two Light Intensities*  
*Field of Specialization: Horticulture*
- David Paul Loyd, B.A. (Ashland College); M.B.A.....Ashland  
*Dissertation: Methods and Criteria Used by Ohio Firms in Selecting Sales Supervisors*  
*Field of Specialization: Business Organization*
- Robert Elwood Lucas, B.S. in Ed. (Wilmington College); M.A...Cincinnati  
*Dissertation: Decisional Determinants of the Degree of Delegation by the Chief School Administrator*  
*Field of Specialization: Education*
- Bahram Hamed Mahmoud, B.Sc. (Cairo University).....Cairo, Egypt  
*Dissertation: The Synthesis of the Geometrically Isomeric Trimethylcyclohexanes*  
*Field of Specialization: Chemistry*

- Morris Jack Mandel, B.S. (Kent State University); M.D.....Cleveland**  
*Dissertation: Effect of Angiotensin Infusion on Regional Blood Flow and Regional Vascular Resistance in the Rat*  
*Field of Specialization: Physiology*
- David Joseph Maurer, B.A. (Beloit College); M.A.....Canton**  
*Dissertation: Public Relief Programs and Policies in Ohio, 1929-1939*  
*Field of Specialization: History*
- James Douglas McComas, B.S.Agr. (West Virginia University); M.Sc. Prichard, W. Va.**  
*Dissertation: The Role of the Teacher of Vocational Agriculture as Perceived by Selected Ohio Teachers and Their Administrators*  
*Field of Specialization: Agricultural Education*
- Esther Anne Meacham, B.S. (Indiana University); M.A. (Michigan State University).....Lincoln, Nebr.**  
*Dissertation: The Relative Effectiveness of Face-to-face Lecture versus Instructional Television in a College Clothing Course*  
*Field of Specialization: Home Economics*
- Robert George Mentzer, B.S. (University of Toledo).....Toledo**  
*Dissertation: The Synthesis and Resolution of 1-Fluoro-12-methylbenzo(c)phenanthrene*  
*Field of Specialization: Chemistry*
- Vincent David Meyer, B.S. (Duquesne University).....McKees Rocks, Pa.**  
*Dissertation: Electron Impact Studies and Oscillator Strengths of Carbon Dioxide*  
*Field of Specialization: Chemistry*
- Edgar Allen Miller, Jr., B.Sc. in Agr., M.Sc.....Ashland**  
*Dissertation: A Mathematical Method of Locating Livestock Markets in Ohio to Minimize Average Total Cost of Transportation and Market Operation*  
*Field of Specialization: Agricultural Economics and Rural Sociology*
- Forrest Lee Moran, B.S. in Ed. (Muskingum College); M.A.....Oxford**  
*Dissertation: The Identification of Problems in Developing Programs of Instructional Improvement as Evidenced by Varying Role Expectancies of the Director of Instruction*  
*Field of Specialization: Education*
- Eugene Moroz, B.A. (New York University).....New York, N. Y.**  
*Dissertation: The Synthesis of D-Norsteroids in the Estrone and Lumiestrone Series*  
*Field of Specialization: Chemistry*
- John Raymond Nichols, Jr., A.B. (Baldwin-Wallace College); M.A. Cedar Rapids, Ia.**  
*Dissertation: United States Foreign-Dollar Bonds and Private Investment; The 1920's and the 1950's*  
*Field of Specialization: Economics*
- James Mack Peek, B.S. in Ed. (Western Illinois State Teachers College); M.Sc.....Green City, Mo.**  
*Dissertation: A New Theory of Molecular Orbitals and Correlation Energy of Molecular Hydrogen*  
*Field of Specialization: Chemistry*
- Corliss Edwin Phillabaum, A.B. (University of Illinois); M.A. (Pennsylvania State University).....Cortland, N. Y.**  
*Dissertation: The Theatre of Ferdinand Raimund*  
*Field of Specialization: Speech*

- Benjamin Frank Plummer, B.S. (Iowa State University of Science and Technology).....Glenwood, Ia.  
*Dissertation: Substituent Effects on the Spectra of Molecular Complexes*  
*Field of Specialization: Chemistry*
- Irving Gilbert Post, B.S. in E.E. (Lafayette College); M.Sc. New York, N. Y.  
*Dissertation: An Electron Paramagnetic Resonance Study of Radiation Damage in Amino Acids*  
*Field of Specialization: Physics*
- Janet Evans Ragatz, A.B., A.M. (George Washington University) Worthington  
*Dissertation: American, Japanese, and Australian Economic Assistance to Southern Asia: A Comparison of Objectives*  
*Field of Specialization: Political Science*
- Henry England Randolph, B.S. (Tennessee Polytechnic Institute); M.Sc. Sparta, Tenn.  
*Dissertation: Natural Inhibitors in Milk Affecting Lactic Acid Bacteria*  
*Field of Specialization: Dairy Technology*
- Surjan Singh Rawalay, B.Sc. (Government Agricultural College at Ludhiana); M.Sc.....Ambala, Punjab, India  
*Dissertation: Oxidation of Primary, Secondary, and Tertiary Aliphatic Amines with Buffered Permanganate*  
*Field of Specialization: Chemistry*
- Pura Norma Suarez Roldan, B.Sc., M.D. (University of Puerto Rico) Columbus  
*Dissertation: Studies on the Effect of Quinidine on Cardiovascular Hemodynamics and on Myocardial Mineral and Carbohydrate Metabolism*  
*Field of Specialization: Physiology*
- Peter Barry Sargeant, B.S. (Iowa State University of Science and Technology).....Cedar Rapids, Ia.  
*Dissertation: Rearrangements in Carbenoid Decomposition of 2,2,2-Triaryldiazoethanes*  
*Field of Specialization: Chemistry*
- Charles Collmar Seastrom, B.S.Met.Engr. (Lafayette College); M.Sc. Easton, Pa.  
*Dissertation: Observations on the Dissolution Behavior of Iron Whiskers*  
*Field of Specialization: Metallurgical Engineering*
- Dummenahalli Nanjappa Seetharamaiah, B.A. (University of Mysore); M.A. (Nagpur University); B.T., M.Ed. (University of Mysore) .....Mysore, India  
*Dissertation: A Philosophical Approach to the Teaching of Social Studies in Secondary Schools of India*  
*Field of Specialization: Education*
- Irwin Leonard Slesnick, B.A., B.S. in Ed. (Bowling Green State University); M.S. (University of Michigan).....Westerville  
*Dissertation: The Effectiveness of a Unified Science in the High School Curriculum*  
*Field of Specialization: Education*
- Armin Sommer, B.S. (City College, New York) .....Pittsburgh, Pa.  
*Dissertation: Thermodynamic and Spectroscopic Studies of the Vapor Species of the Boron-Oxygen and Boron-Sulfur Systems*  
*Field of Specialization: Chemistry*

- June Elizabeth Stuckey, B.S. in Ed., A.B. (Wilmington College); M.A.  
Wilmington  
*Dissertation: The Relationship of Academic Achievement to Selected  
Personality Needs*  
*Field of Specialization: Education*
- Charles Edward Teckman, B.S. in Edu., M.Ed. (Miami University)  
Hamilton  
*Dissertation: The Influence of State Departments and Regional Ac-  
crediting Associations on Secondary-School Experimenta-  
tion*  
*Field of Specialization: Education*
- Boris Reinmar Teixeira, B.S. in Ag. (University of Florida); M.Sc.  
Panama, Panama  
*Dissertation: Studies of Kaolinite by Infrared Absorption*  
*Field of Specialization: Agronomy*
- Clair Readon Tettermer, B.Sc. in Edu., M.A.....St. Paul, Minn.  
*Dissertation: Tested Procedures for the Development of Effective In-  
structional Television Programs*  
*Field of Specialization: Education*
- John Richardson Thayer, B.A. (University of Maine); M.A.. Windham, Me.  
*Dissertation: The Relationship of Various Audience Composition Fac-  
tors to Television Program Types*  
*Field of Specialization: Speech*
- Jack Ray Thomas, B.A. (Youngstown University); M.A. (Kent State  
University) .....Struthers  
*Dissertation: Marmaduke Grove: A Political Biography*  
*Field of Specialization: History*
- Marianna Trekell, B.A. (Iowa State Teachers College, Cedar Falls);  
M.A. ....Columbus  
*Dissertation: Gertrude Evelyn Moulton, M.D.: Her Life and Profes-  
sional Career in Health and Physical Education*  
*Field of Specialization: Physical Education*
- Thomas Timothy Vogel, A.B. (College of the Holy Cross); M.Sc...Columbus  
*Dissertation: Studies on the Mechanism of Hyperemia in Skeletal Mus-  
cle during Contraction*  
*Field of Specialization: Physiology*
- Esther Long Walden, B.Sc. in Edu., M.B.A.....Dayton  
*Dissertation: An Analysis of the Executive Position: Corporate Vice-  
President for Research*  
*Field of Specialization: Business Organization*
- Norman F. Watt, B.A. (Northwestern University); M.A....Richmond, Ind.  
*Dissertation: The Relation of Public Commitment, Delay after Commit-  
ment, and Some Individual Differences to Changes in  
Verbalized Expectancies*  
*Field of Specialization: Psychology*
- Lawrence Robert Weiss, B.S. in Phar. (University of Florida); M.Sc.  
Miami Beach, Fla.  
*Dissertation: The Interaction of Drugs and Stress on the Behavior of  
the Central Nervous System*  
*Field of Specialization: Pharmacy*
- Nelson Noel Williams, B.Sc., M.Sc.....New Carlisle  
*Dissertation: Pollen Analysis of Two Central Ohio Bogs*  
*Field of Specialization: Botany and Plant Pathology*

- Charles Leone Winek, B.Pharm., M.S. (Duquesne University) . . . . Erie, Pa.  
*Dissertation: A Chemical Study of the Alkaloids of Aquilegia*  
*Field of Specialization: Pharmacy*
- Bernard Terry Wolfson, B.S.Ch.E. (Armour Institute of Technology);  
 M.Sc. . . . . Silver Spring, Md.  
*Dissertation: The Effect of Additives on the Mechanism of Detonation*  
*in Gaseous Systems*  
*Field of Specialization: Chemical Engineering*
- Jay W. Wrathall, B.S., M.S. (Brigham Young University) . . . Depew, N. Y.  
*Dissertation: Synthesis and Properties of Transition Metal Complexes:*  
*Complexes of 2-(2-Mercaptoethyl)pyridine, 2-Mercapto-*  
*methylpyridine and Methyl-bis-(2-mercaptoethyl)amine*  
*Field of Specialization: Chemistry*  
 (Eighty-four candidates)

#### Master of Arts

- Jeannie Georgianna Anderson, B.A. (University of Maryland)  
 Silver Spring, Md.  
*Field of Specialization: German*
- Esther Steinhauer Battle, A.B. (Antioch College) . . . . . Yellow Springs  
*Field of Specialization: Psychology*
- Gaylord Adrian Birney, B.A. (Washington and Lee University)  
 Hollywood, Calif.  
*Field of Specialization: English*
- Raymond John Carter, B.S. in Ed. (University of Dayton) . . . Portsmouth  
*Field of Specialization: Education*
- Curtis Warren Cox, A.B. (Berea College) . . . . . Berea, Ky.  
*Field of Specialization: Education*
- Alma Grace Ford Cremer, B.S. (University of California at Los Angeles)  
 Columbus  
*Field of Specialization: Physical Education (Health Education)*
- Patricia Deitz, Ph.B. (Dickinson College); M.A., Ph.D.  
 (University of Iowa) . . . . . Hollis, N. Y.  
*Field of Specialization: Speech*
- Robert Drury Doe, B.Sc. in Edu. . . . . Columbus  
*Field of Specialization: Education*
- Thomas Edward Drabek, B.A. (University of Denver) . . . . . Alamosa, Colo.  
*Field of Specialization: Sociology*
- Paul Allan Eckler, B.S. in Agr. (Purdue University) . . . . . Norwalk  
*Field of Specialization: Education*
- Mary Agnes Farris, B.S. in Nr.Ed. (Saint Louis University) . . . Columbus  
*Field of Specialization: Education*
- Bruce Clayton Flack, B.A. (Otterbein College) . . . . . Green Springs  
*Field of Specialization: History*
- Ralph Edward Gabele, B.Ph. (Denison University) . . . . . Columbus  
*Field of Specialization: Education*
- Willard Judd Graver, A.B. (Wheaton College) . . . . . Lorain  
*Field of Specialization: Psychology*

- Joyce Elizabeth Harman, B.A.**.....Columbus  
*Field of Specialization: History*
- Handley Hale Hayes, B.A.**.....Mt. Vernon  
*Field of Specialization: Psychology*
- Benjamin Lawrence Honeycutt, B.A. (Wake Forest College)**.....Cliffside, N. C.  
*Field of Specialization: Romance Languages (French)*
- Frederick Irving Jones, B.S. (Purdue University)**.....Columbus  
*Field of Specialization: Journalism*
- Bernard Jump, Jr., B.B.A. (University of Cincinnati)**.....Kettering  
*Field of Specialization: Economics*
- Donald Lawrence Karr, A.B. (Oberlin College)**.....Columbus  
*Field of Specialization: Sociology*
- Ken Willford Kayner, Jr., B.S. in Ed. (Bowling Green State University)**.....Powell  
*Field of Specialization: Education*
- Yasuko Kuriyama, B.A. in Ed. (Waseda University)**.....Tokyo, Japan  
*Field of Specialization: Education*
- Lillian Rae Caplan Lazen, B.S. (University of Maryland)**...Baltimore, Md.  
*Field of Specialization: Education*
- Ivan Bennett Linnabary, B.Sc. in Agr.**.....Risingsun  
*Field of Specialization: Education*
- Ramon Sanchez Liwanag, B.A. (University of the Philippines)**.....Mexico, Pampanga, Philippines  
*Field of Specialization: Sociology*
- Alice B. Lotvin, A.B. (Barnard College)**.....South Fallsburg, N. Y.  
*Field of Specialization: English*
- William Harris McBroom, B.Sc.**.....Dayton  
*Field of Specialization: Sociology*
- Mary Janice Nethery, B.S.E. (Henderson State Teachers College)**.....Arkadelphia, Ark.  
*Field of Specialization: Speech*
- Frances Clements Ogilby, A.B. (Randolph-Macon Woman's College)**.....Columbus  
*Field of Specialization: English*
- Charles Rollin Olson, B.A., B.S. (Moorhead State Teachers College, Minnesota)**.....Columbus  
*Field of Specialization: English*
- Richard Eugene Osswald, B.Sc. in Agr.**.....Brookville  
*Field of Specialization: Agricultural Education*
- Paul Allen Payne, B.A. (Phillips University, Oklahoma) ; B.D. (Yale University Divinity School)**.....Columbus  
*Field of Specialization: Psychology*
- Martin Michael Perline, B.A. (Arizona State University)**....Phoenix, Ariz.  
*Field of Specialization: Economics*

Joseph Noble Peroni, B.A.....	Hubbard
<i>Field of Specialization: History</i>	
Hubert Russell Pinney, B.Sc. in Agr.....	Westerville
<i>Field of Specialization: Accounting</i>	
Virginia Rader Reynolds, B.Sc. in Edu.....	Columbus
<i>Field of Specialization: Education</i>	
Dorothy Irene Rose, B.A.....	Columbus
<i>Field of Specialization: Sociology (Anthropology)</i>	
William James Rost, B.Sc. in Edu.....	Willoughby
<i>Field of Specialization: Music</i>	
Harry Harlan Rownd, A.B. (Denison University).....	Canton
<i>Field of Specialization: Economics</i>	
Janet Betz Scanlin, B.Sc. in Edu.....	St. Paris
<i>Field of Specialization: Music</i>	
Jerome Wells Scanlin, B.Sc. in Edu.....	St. Paris
<i>Field of Specialization: Music</i>	
Albert Schwartz, A.B. (Hunter College).....	New York, N. Y.
<i>Field of Specialization: Sociology</i>	
Richard Adrian Simons, B.Mus., B.Sc. in Edu.....	Springfield
<i>Field of Specialization: Music</i>	
Ronald Eugene Smith, B.Sc. in Edu.....	Columbus
<i>Field of Specialization: Education</i>	
Ericka Elizabeth Smit-Vanrotte.....	Columbus
<i>Field of Specialization: Music</i>	
David Howard Spain, B.A.....	Columbus
<i>Field of Specialization: Sociology (Anthropology)</i>	
Barba Mildred Stewart, B.S. (Central State College).....	Baldwyn, Miss.
<i>Field of Specialization: Education</i>	
Robert Gregg Stillwagon, B.Sc.....	Dayton
<i>Field of Specialization: Economics</i>	
Betty Marker Swanson, A.B. (Augustana College, Illinois).....	Columbus
<i>Field of Specialization: Education</i>	
Edward Eugene Swingle, B.A.....	Mt. Vernon
<i>Field of Specialization: Speech</i>	
Robert Herman Vorsteg, B.A. (Florida State University)	East Orange, N. J.
<i>Field of Specialization: English</i>	
James Carl Warren, B.Sc. in Edu.....	Columbus
<i>Field of Specialization: Education</i>	
Charles Wesley Wellman, B.F.A.....	Columbus
<i>Field of Specialization: Art</i>	
Robert Stanley Welsh, B.Sc. in Agr.....	Zanesville
<i>Field of Specialization: Agricultural Education</i>	
Cynthia Cheek Winkle, B.Sc. in Edu.....	Columbus
<i>Field of Specialization: Education</i>	

(Fifty-five candidates)

### Master of Business Administration

- Frank Joseph Barone, B.Met.E. (Rensselaer Polytechnic Institute) ..... Columbus  
*Field of Specialization: Business Organization*
- Alastair Gerald Hudson, B.Com. (Canterbury University College) ..... Christchurch, New Zealand  
*Field of Specialization: Business Organization*
- James Vincent Kilbane, B.Aero.E., B.Sc. in Bus.Adm. .... Fairborn  
*Field of Specialization: Business Organization*
- Jon Dane Lowry, B.S. Min.Engr. (University of Missouri School of Mines) ..... Joplin, Mo.  
*Field of Specialization: Business Organization*
- David Harlan McConaughy, B.Sc. in Bus.Adm. .... Dayton  
*Field of Specialization: Business Organization*
- Jerome Gilbert Meyers, B.S. in Bus.Admin. (University of Akron) ... Akron  
*Field of Specialization: Business Organization*
- John Robert Scales, B.Sc. in Bus.Adm. .... Archbold  
*Field of Specialization: Business Organization*
- Henry Louis Tosi, Jr., B.Sc. in Bus.Adm. .... Martins Ferry  
*Field of Specialization: Business Organization*
- Robert B. Treat, Jr., B.S. (Oklahoma State University of Agriculture and Applied Science) ..... Guthrie, Okla.  
*Field of Specialization: Business Organization*
- Audrey Louise Turner, B.Sc. in Bus.Adm. .... Columbus  
*Field of Specialization: Business Organization*
- John Herbert Turner, B.Aero.E. .... Lancaster  
*Field of Specialization: Business Organization*
- John Reed Wish, B.Sc. in Dairy Tech. .... Bellefontaine  
*Field of Specialization: Business Organization*

(Twelve candidates)

### Master of City Planning

- Kenneth Anderson Ackley, Jr., B.S. (United States Naval Academy); LL.B. (University of Michigan); LL.M. (Georgetown University) ..... Jeffersontown, Ky.  
*Field of Specialization: Architecture (City Planning)*  
(One candidate)

### Master of Education

- Samuel Gayton, B.A. (Otterbein College) ..... Westerville  
*Field of Specialization: Education*
- Clinton Hickman, B.S. (Morehead State College, Kentucky) ..... Columbus  
*Field of Specialization: Education*



David Eugene Moore, B.S. in Ed. (Bowling Green State University)  
Bloomdale

*Field of Specialization: Education*

Joseph Michael Stefanko, B.S. (Wisconsin State College, Superior);  
M.A. (University of Minnesota).....West Allis, Wis.

*Field of Specialization: Education*

(Four candidates)

### Master of Medical Science

Nagi Abdulrahman Nagi, M.D. (University of Baghdad)....Baghdad, Iraq

*Field of Specialization: Pediatrics*

(One candidate)

### Master of Science

Radha Mohan Acharya, B.V.Sc. and A.H. (Punjab Veterinary College)  
Hissar, Punjab, India

*Field of Specialization: Animal Science*

Lynn Leonard Ackler, B.A.....Columbus

*Field of Specialization: Mathematics*

Maurice Francis Amateau, B.Met.E.....Columbus

*Field of Specialization: Metallurgical Engineering*

Floyd Dunbar Andrew, A.B. (Whitman College).....Seattle, Wash.

*Field of Specialization: Pathology*

Felicitas L. Cortes Arganosa, B.S.A. (University of the Philippines)  
Gumaca, Quezon, Philippines

*Field of Specialization: Poultry Science*

Ruth Ann Austad, B.S. (Ohio University).....Cleveland

*Field of Specialization: Pathology*

Rollin Michael Barber, B.Sc. in Agr.....Johnstown

*Field of Specialization: Agricultural Economics (Rural Sociology)*

Ned Eugene Bibler, B.S. (Denison University).....Bucyrus

*Field of Specialization: Chemistry*

Harvey Frederick Blanck, Jr., A.B. (Miami University)..North Ridgeville

*Field of Specialization: Chemistry*

Japnell Davis Braun, B.S. (University of Florida).....Lewisburg

*Field of Specialization: Metallurgical Engineering*

Godehardo Belen Calleja, B.S.Ag. (University of the Philippines)  
Legazpi City, Philippines

*Field of Specialization: Microbiology*

Lee Joseph Chegin, B.S. (Virginia Military Academy).....Trenton, N. J.

*Field of Specialization: Civil Engineering*

Martin Frank Cohen, B.Ch.E.....Columbus

*Field of Specialization: Chemical Engineering*

Theodore Roosevelt Comstock, Jr., B.M.E.....Cincinnati

*Field of Specialization: Mechanical Engineering*

- Howard DeVore, Jr., B.M.E.....Ottawa  
*Field of Specialization: Mechanical Engineering*
- Leon Ivan Edwards, Met.E. (University of Cincinnati).....Cincinnati  
*Field of Specialization: Ceramic Engineering*
- Thomas James Fitzgerald, B.S. in Phar. (Union University) ..Troy, N. Y.  
*Field of Specialization: Pharmacy*
- James Lawrence Fouss, B.Agr.E.....Lowell  
*Field of Specialization: Agricultural Engineering*
- Norman David Friedberg, B.Ch.E.....Columbus  
*Field of Specialization: Chemical Engineering*
- Edward Rudolph Gerlach, B.S. (Muskingum College).....New Concord  
*Field of Specialization: Chemistry*
- William Arthur Gibeaut, B.Met.E.....Sandusky  
*Field of Specialization: Metallurgical Engineering*
- Margaret Ann Goode, B.Sc. in Nurs.....Circleville  
*Field of Specialization: Nursing*
- Thomas George Grau, B.A. (Ohio Wesleyan University).....Brecksville  
*Field of Specialization: Physics*
- Chung Hee Han, M.D. (Seoul Women's Medical College).....Seoul, Korea  
*Field of Specialization: Pathology*
- Robert Duane Harter, B.Sc. in Agr.....Hollansburg  
*Field of Specialization: Agronomy*
- Sayed Desouki Hassan, B.Aero.E., B.Sc. (Cairo University) ..Cairo, Egypt  
*Field of Specialization: Aeronautical and Astronautical Engineering*
- Joel Joseph Hebert, B.S.M.E. (Louisiana Polytechnic Institute)  
Jennings, La.  
*Field of Specialization: Mechanical Engineering*
- Paul Laurence Hendricks, B.S., M.S. (Indiana State Teachers College)  
Dayton  
*Field of Specialization: Metallurgical Engineering*
- Richard Laird Hoffman, B.Ch.E.....Columbus  
*Field of Specialization: Chemical Engineering*
- Martha Elizabeth Hyre, B.Sc. in Nurs.....Worthington  
*Field of Specialization: Nursing*
- Barbara Marson Jones, B.Sc. in Nurs.....Columbus  
*Field of Specialization: Nursing*
- James Kanyok, B.Ch.E.....Parma  
*Field of Specialization: Chemical Engineering*
- Harold Allen Karnes, A.B. (Earlham College).....Troy  
*Field of Specialization: Chemistry*
- Ann Marie Keck, B.Sc. in Nurs.....Columbus  
*Field of Specialization: Nursing*
- James Clarence Kennedy, Jr., B.S. in Aero.Engr. (Purdue University)  
Columbus  
*Field of Specialization: Engineering Mechanics*

- Raj Pal Khera.....Rohtak, Punjab, India  
*Field of Specialization: Civil Engineering*
- James Sargent King, B.S. in Ed. (Taylor University).....West Liberty  
*Field of Specialization: Anatomy*
- Jerome Kosmider, Jr., B.Ch.E.....Berlin Heights  
*Field of Specialization: Chemical Engineering*
- Melvin Keith Krill, B.Sc. in Agr.....Edgerton  
*Field of Specialization: Agricultural Economics and Rural Sociology*
- Lyle Krock, B.Sc. in Agr.....Kenton  
*Field of Specialization: Agricultural Economics and Rural Sociology*
- George Albert Landon, B.Sc. in Agr.....Prospect  
*Field of Specialization: Agricultural Education*
- James Dale LaRue, B.S.E.E. (University of Toledo).....Fairborn  
*Field of Specialization: Electrical Engineering*
- Edwin Richie Lassettre, B.Sc.....Columbus  
*Field of Specialization: Mathematics*
- Shuh-Chai Lee, B.S., M.S. (National Northwestern College of Agriculture,  
China).....Shan-Hsien, China  
*Field of Specialization: Geodetic Science*
- Shung-Yan Lee, B.S. (University of Wisconsin).....North Point, Hong Kong, China  
*Field of Specialization: Pharmacy*
- William Joseph Lepkowski, B.S. in Met.E. (University of Pittsburgh)  
Cincinnati  
*Field of Specialization: Metallurgical Engineering*
- Ying-Hsin Liu, B.Sc. (Taiwan Provincial Cheng Kung University)  
Chilung, Taiwan, China  
*Field of Specialization: Metallurgical Engineering*
- Charlene Myers Long, B.S. in Nurs. (Capital University).....Lakewood  
*Field of Specialization: Nursing*
- Roscoe Henderson Love, Jr., B.Sc. in Agr.....Columbus  
*Field of Specialization: Agricultural Economics and Rural Sociology*
- Oscar Malmin, D.D.S. (Western Reserve University).....Columbus  
*Field of Specialization: Dentistry*
- James Robert Mathews, B.S.E.E. (Iowa State University of Science  
and Technology).....Marshalltown, Ia.  
*Field of Specialization: Electrical Engineering*
- Flora Louise Matter, B.S. (Heidelberg College).....Lima  
*Field of Specialization: Botany and Plant Pathology*
- Daniel Schaffer Metzger, B.A. (Kalamazoo College).....Tavares, Fla.  
*Field of Specialization: Physics*
- Peter Joseph Mikolaj, B.Sc. in Agr.....Cleveland  
*Field of Specialization: Zoology*
- Janice Audrey Monk, B.S. (Miami University).....Ashland, Ky.  
*Field of Specialization: Home Economics*

- William Wayne Morey, B.Sc. in Phys.....Franklin  
*Field of Specialization: Physics*
- Carole Anita Morgan, B.S.Ed. (Ohio University).....Parma  
*Field of Specialization: Botany and Plant Pathology*
- Barbara Anne Munjas, B.Sc. in Nurs.....Dover  
*Field of Specialization: Nursing*
- Paul Curtis Nagle, B.S. (Rensselaer Polytechnic Institute).....Columbus  
*Field of Specialization: Physics*
- Leon Crist Neher, B.S. (McPherson College).....Quinter, Kans.  
*Field of Specialization: Agricultural Economics (Rural Sociology)*
- Charles Richard Oaklief, B.Sc. in Agr.....Bakersville  
*Field of Specialization: Agricultural Education*
- Jon Anthony Oxley, B.Ch.E.....Newark  
*Field of Specialization: Chemical Engineering*
- Peter Gerald Pape, B.S. (Alma College).....Deckerville, Mich.  
*Field of Specialization: Chemistry*
- Edward Walter Parken, B.M.E.....Fairview Park  
*Field of Specialization: Mechanical Engineering*
- Ellwood Sager Parrott, B.Sc. in Agr.....Marion  
*Field of Specialization: Agricultural Education*
- Victor Paul Petro, B.Sc.....Lorain  
*Field of Specialization: Chemistry*
- Moti Chetamram Pinjani, B.V.Sc. and A.H. (Panjab Veterinary College)  
New Delhi, India  
*Field of Specialization: Animal Science*
- Robert Martin Quillin, B.E. (Yale University).....Dublin  
*Field of Specialization: Civil Engineering*
- John Earl Rodebaugh, B.Sc. in Agr.....Ashtabula  
*Field of Specialization: Botany and Plant Pathology*
- Charles Arthur Root, B.A. (Ohio Wesleyan University)....Fairport, N. Y.  
*Field of Specialization: Chemistry*
- Ronald Leslie St. Pierre, B.S. (Ohio University).....Dayton  
*Field of Specialization: Zoology*
- James Phillip Shaffer, B.Agr.E.....Pataskala  
*Field of Specialization: Agricultural Engineering*
- John Whittier Slemmons, B.W.E.....Delaware  
*Field of Specialization: Welding Engineering*
- Jay Vincent Smith, B.E.E. (University of Dayton).....Dayton  
*Field of Specialization: Electrical Engineering*
- Dean Snider, B.Ch.E.....Celina  
*Field of Specialization: Chemical Engineering*
- Ulf Soehngen, B.Sc.....Fairborn  
*Field of Specialization: Zoology and Entomology*

- John Marion Speer, B.S. (Eastern Illinois University) . . . . . Oconee, Ill.  
*Field of Specialization: Botany and Plant Pathology*
- Leonard Irving Sukman, B.S. in S.S. (City College, New York)  
 Washington, D. C.  
*Field of Specialization: Geodetic Science*
- Betty Jo Tilden, B.Sc. in H.E. . . . . McConnellsville  
*Field of Specialization: Home Economics*
- William Rea Wallace, D.D.S. . . . . Lakewood  
*Field of Specialization: Pathology*
- Douglas Yune Wang, B.S.M.E. (Louisiana State University) . . . . . Dayton  
*Field of Specialization: Mechanical Engineering*
- Melvin Oscar Warnecke, B.Sc. in Food Tech. . . . . Delphos  
*Field of Specialization: Animal Science*
- Wendell Marion Williams, Jr., B. of M.E. (Georgia Institute of  
 Technology) . . . . . Canton  
*Field of Specialization: Mechanical Engineering*
- Edward Theodore Woodruff, B.Ch.E. . . . . Tiffin  
*Field of Specialization: Chemical Engineering*
- Rebecca Hayworth Wright, B.S. in Edu. (West Virginia State College)  
 Rand, W. Va.  
*Field of Specialization: Zoology*

(Eighty-five candidates)

#### Master of Science in Public Administration

- Sang Ju Kim, LL.B. (Seoul National University) . . . . . Seoul, Korea  
*Field of Specialization: Political Science*

(One candidate)

#### Master of Social Work

- Kenneth Ray Russell, B.A. (University of Toledo) . . . . . Columbus  
*Field of Specialization: Social Work*

(One candidate)

## UNDERGRADUATES

### CANDIDATES FOR TWO DEGREES

- John Lee Stillions. . . . . Coshocton  
 Bachelor of Arts  
 Bachelor of Science in Education
- Elton Roger Trent. . . . . Manchester  
 Bachelor of Arts  
 Bachelor of Science in Education

(Two candidates)

# COLLEGE OF AGRICULTURE AND HOME ECONOMICS

Dean: ROY M. KOTTMAN

## Bachelor of Science in Agriculture

Larry Hobart Acker.....	Wooster
John Wesley Allen.....	Jeromesville
John Frederic Arntz.....	Shelby
Michael De Bach.....	Columbus
Dwight Brent Beougher.....	Laurelville
Hobart Forest Bond II.....	Pleasant City
Larry Joe Burkett.....	Fort Recovery
Denver Peeper Burns.....	Bryan
Frank Gilbert Calhoun, Jr.....	Sandusky
Daryl Ray Clark (cum laude).....	Piedmont
James Lewis Clendening.....	Freeport
Martin Van Cunningham.....	Middlefield
William T. Debolt.....	Columbus
Curtis Summers Dunham.....	Wooster
Kelly Lee Epperly.....	Buckland
James Kent Franklin.....	Columbus
Edwin Arthur Friedhoff.....	Cincinnati
Virginia Lee Garrett.....	Mt. Sterling
George Lawrence Good.....	Cincinnati
David Lee Grum.....	Bannock
Sharon Dale Hague.....	Strasburg
Martin Lewis Hasenzahl.....	Cincinnati
Daniel Robert Johnson.....	Wilmington
Marion Earl Kendig.....	Fairborn
Glen Dean King.....	Hilliard
Larry Charles Kleinhans.....	Oak Harbor
Jack Lee Lutz.....	Greenville
Donald Lynn Michael.....	Farmersville
Michael Paul Miller.....	Springfield
Marion Neer.....	South Vienna
John Walter Noecker.....	Ashville
Richard Eugene Palmer.....	Rittman
Kenneth Gene Purdy.....	Mt. Gilead
Karl Siegfried Reiner.....	Columbus
Donald Ray Rinehart.....	Chardon
Herbert J. Roth.....	Wauseon
Robert David Ryder.....	Haskins
Walter William Schiermeier.....	Cincinnati
Dean Rusk Shade.....	Fairborn
Thomas Xavier Singer.....	Rocky River
Robert Wendell Smith.....	Marion
Thomas E. Stephens.....	Cambridge
Raymond Leroy Temple.....	Barnesville
Richard Stanley Werner.....	Terrace Park
Albert Jared Zima.....	Youngstown

(Forty-five candidates)

## Bachelor of Science in Food Technology

Fred Allen Weaver.....	Dublin
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(One candidate)

## SCHOOL OF HOME ECONOMICS

### Bachelor of Science in Home Economics

Sue Beckemeyer .....	Columbus
Carol Figge Black .....	Columbus
Jill Elizabeth Chapman .....	Columbus
Almeda Geurin Cunningham .....	Somerset
Gloria Jean Geesling .....	London
George Ann Grosjean .....	Wooster
Suzanne Parker Hench .....	Columbus
Joan Carol Niemiec Maxwell .....	Worthington
Marcia Lee McMullen .....	Arlington Heights, Ill.
Joy Elaine Miller .....	Laura
Joyce Lynn Miller .....	Cortland
Emily Jo Myers .....	Sabina
Mary Frances Pew .....	Warsaw
Marcia Ann Spreng .....	Mansfield
Sharon Anne Surrell .....	Dayton
Mary Catherine Tripp .....	Portsmouth
Barbara Ann Warchol .....	Toledo
Miriam Eleanor Wehe .....	Bellaire
Louise Sykora Weidner .....	Chardon
Margaret Ann Williams (cum laude) .....	Canfield

(Twenty candidates)

# COLLEGE OF ARTS AND SCIENCES

Dean: J. OSBORN FULLER

## Bachelor of Arts

Robert Andrew Adman.....	Dayton
Margaret Anne Avren.....	Columbus
Peter David Bernstein.....	Youngstown
Sergio Ramos Birch.....	Caracas, Venezuela
Paul Phillip Carlo.....	Columbus
Samuel Lee Clark.....	Columbus
John Andrew Cole.....	Dayton
Raymond Charles Compton.....	Columbus
Sandra Bowman Damico.....	Columbus
Loretta Mae Davis.....	Columbus
Carl Norman Dieringer.....	Napoleon
William Field Dowd.....	Canton
Stephen Louis Dworkin.....	Columbus
Michael David Feinstein.....	Columbus
E. O. Florence, Jr.....	South Charleston
Lucy Lee Hampton.....	Columbus
Donald Joseph Hart.....	Dayton
Diana Lee Heckman (cum laude).....	Dayton
Thomas Lynn Herbert.....	Gnadenhutzen
Robert Rowland Hipp.....	Mansfield
Barbara Lee Hornstein (cum laude).....	Baltimore, Md.
Howard Edward Huffmaster, Jr.....	Columbus
Mounah Sami Jabara.....	Beirut, Lebanon
Jay Scott Johnson.....	Whitehall
Charles Laurence Juhasz.....	Cleveland
Alan Bernard Klose.....	Parma Heights
John Joseph Kocun.....	Perth Amboy, N. J.
Charles Thornton Lake.....	Chagrin Falls
Amaryllis Iseabelle Lawrence.....	Upper Sandusky
Murray Allen Lembark.....	Columbus
George Thomas Lindsey.....	Dennison
Thomas Edward Long.....	Ashland
Barbara Lee Magalnick.....	Beachwood
Marcella Elaine Maple.....	Steubenville
Robert Thomas Mattern.....	Bedford
Barton Joel Michelson.....	Columbus
George Thomas Miles.....	Elmira, N. Y.
Shirley Clara Odwarka.....	Columbus
Annette Lane Harrison Richter, B.S. (West Virginia State College)	Norfolk, Va.
Isabell Rosenfeld.....	Lorain
Norman Joseph Rubinoff.....	Springfield
Frederick Daniel Ryan.....	Chapleau, Ont., Canada
Arthur Edward Schroeder.....	Kenmore, N. Y.
William Edward Schultze.....	Westfield, N. J.
Patricia Galperin Shay.....	Charleston, W. Va.
*John Lee Stillions.....	Coshocton
John Michael Sullivan.....	Columbus
Marian Page Tipton.....	Tiffin
*Elton Roger Trent.....	Manchester
Diane Colley Walters.....	Columbus

\* Two degrees

(Fifty candidates)



### **Bachelor of Science**

Jerry Ian Abramson.....	Great Neck, L. I., N. Y.
Richard Neil Atkinson.....	Columbia Station
Richard Berg .....	Parma
Michael Allen Berger.....	Cleveland Heights
Clarence Harold Bigler.....	Loudonville
Gerald Lee Brubaker .....	Orrville
James Edward Burcsu.....	Columbus
Mason Joseph Christner.....	Columbus
Barry Lee Cosens (cum laude).....	Columbus
Herbert Clair Doughty.....	North Canton
Donald Erich Elsass.....	Columbus
Thomas Edward Fiffick.....	Canfield
Roger Benedict Friedl.....	Akron
Joan Carolyn Heim.....	Lakewood
Leroy Henry Hoffee.....	Canton
Gary Grove Koch (summa cum laude and with High Distinction in Mathematics).....	Mt. Vernon
Jack Tyler Landes.....	Columbus
Richard Lewis Loughheed.....	Edon
Roger Alvin Pickens.....	Columbus
Frank Steven Pipers.....	Rego Park, N. Y.
Ronald Lloyd Reich .....	Wooster
Thomas Charles Ricker .....	Columbus
William Paul Skivolocki .....	Homeworth
Joachim Guenther Stephan.....	Columbus
Diane Kay Stone.....	Medina
August Albert Toda .....	Warren
Joel Isidore Tricarico.....	Westbury, N. Y.
James Ralph Worden.....	Crestline

(Twenty-eight candidates)

### **SCHOOL OF JOURNALISM**

#### **Bachelor of Arts**

Douglas MacArthur Bloomfield.....	Columbus
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(One candidate)

### **SCHOOL OF OPTOMETRY**

#### **Bachelor of Science in Optometry**

Phillip Burns Keller .....	Lancaster
John Charles Kepple.....	Blairsville, Pa.

(Two candidates)

# COLLEGE OF COMMERCE AND ADMINISTRATION

Acting Dean: WILLIAM E. SCHLENDER

## Bachelor of Science in Business Administration

Charles Dennis Abbott.....	Dayton
Lawrence Gene Adelman.....	Cleveland Heights
Alice Letha Akerberg.....	Columbus
James Franklin Allison.....	Cleveland
David McKay Bell.....	Columbus
Verne Howard Benson.....	Columbus
Thomas William Bland.....	Marion
Larry Warren Brown.....	Versailles
Alan Dwight Browning.....	Columbus
John Patrick Butler, Jr.....	Lakewood
Charles Curtis Carnahan.....	Toledo
Larry Richard Croll.....	Slippery Rock, Pa.
Arthur Lee Davidson.....	Columbus
Roger Stephan Delman.....	Cleveland Heights
Lee Henry DeMastry.....	Columbus
Gerald Joseph Dembowski.....	Toledo
Richard Daniel Dickas.....	Columbus
Wayne Eugene Dilger.....	Richwood
Gene Marvin Eddy.....	Marietta
William Manfred Gehring.....	Shaker Heights
Donald Lee Goss.....	Logan
David Walter Goudy.....	Akron
John Ernest Graham, Jr.....	Cincinnati
Jerry Masters Greetham.....	Lakewood
Walter Phillip Hallstein.....	Milan
Edward Campbell Hawkins.....	Bellefontaine
Richard Lee Hempy, B.Ch.E.....	Rushsylvania
John Ross Jameson II.....	Wooster
Thomas Lynn Johanning.....	North Canton
Donald Rodman Johnson.....	Hilliard
Bruce Henry Kallenberg.....	Beechhurst, L. I., N. Y.
William Joseph Kenney.....	Columbus
John Paul Klovovich.....	Warren
Daniel Stanley Kowalski.....	Parma
Heino Kull.....	Columbus
Richard Leroy Leonard.....	Columbus
Harry Edward Loudenslager.....	Columbus
Jerry Ray Lucas (cum laude).....	Middletown
Richard Allen McDaniel.....	Rocky River
Robert Clarke Morrison.....	Washington C. H.
Gerald Nevin Myers.....	Dayton
Michael Andrew Olsheski.....	Mansfield
Robert Marion Orr.....	Newark
Lyle Smith Pettit, Jr.....	Columbus
James Goddard Phipps.....	Columbus
Michael Ponomarenko.....	Cleveland
Phillip William Py.....	Sandusky
Richard Lloyd Quinn.....	Wickliffe
Gary William Roberson.....	Marion
Robert Daniel Rockey, Jr.....	Columbus
Steven Rex Safer.....	Cincinnati

Marlyn Ree Sandhaus.....	Pittsburgh, Pa.
Thomas Albert Seitz.....	Kettering
Frank Bannon Sensel, Jr.....	Worthington
Jesse William Sentle, Jr.....	Toledo
Hulda Mae Simonson (cum laude).....	Columbus
John Arden Strang.....	Dayton
James Clark Summers.....	Columbus
Fred Clark Sweeney.....	Steubenville
Siegfried Bela Szoke.....	Cleveland
Bradley Cornish Tabbert.....	Amherst
David Harlow Thompson.....	Euclid
Lester Dale Tish.....	Fredericktown
Terence Emerson Wheaton.....	Toledo
Wilfred Winston White, Jr.....	Navarre
John J. Zettler.....	Columbus

(Sixty-six candidates)

#### **Bachelor of Science in Social Welfare**

Phillip Theohari Cavas.....	Toledo
Rose Marie Jahnel Deanovic.....	Rochester, N. Y.
Marna Block Gerou.....	Hamilton
Larry Lee Hothem.....	Wooster
Bonnie Patricia Kelley.....	Springfield
Judith Karen Malkoff.....	Youngstown
Madelyn Perry.....	Shaker Heights
Cynthia Elizabeth Schmidt.....	Cincinnati
Michele Lois Skrinjar.....	Cleveland
Robin Elizabeth Velte.....	Middletown

(Ten candidates)

# COLLEGE OF DENTISTRY

Acting Dean: JOHN R. WILSON

## Doctor of Dental Surgery

Gene Arnold Clifton, B.A.....	Circleville
Lawrence Eisenman.....	Columbus
Joseph Robert O'Neil, Jr., B.Sc.....	Columbus
Thomas Andrew Timko.....	Lorain

(Four candidates)

# COLLEGE OF EDUCATION

Dean: DONALD P. COTTRELL

## Bachelor of Science in Education

Birthe Arnold, Jr.	Columbus
Patricia Jayne Babson	Lorain
Myta Lee Bernard	Cleveland
Susan Dee Besgrove	Milford Center
Margaret Ellen Blackford	Martins Ferry
Diana Marx Bloch	Columbus
Charlotte Ellen Boren	Bay Village
Ralph Wayne Bowman, Jr. B.A.	Columbus
Judith Dawn Boyer	Swarthmore, Pa.
Mary Ellen Brant	Columbus
Linda Lee Buck	Columbus
Bonnie Lynne Bump	Columbus
Jo Anne Caplinger	Springfield
Jean Adams Carter	Wilmington
Patricia Ann Clark	Columbus
Jerome McClain Clemens	Columbus
Joseph Anthony Colaner	New Philadelphia
Janet Margaret Cowgill	Parma Heights
Marjorie Ann Cozier	Springfield
Philip Wayne Cramer	Findlay
Richard Joseph Daly	LaRue
Eileen Voorhees Deems	Dennison
Diane Garcelon DeMuth	Columbus
Thomas Edwin Earley	Dover
Carol Wasserbeck Emery	Marion
Donald Conrad Fischer, Jr.	Columbus
Nancy Katherine Fletcher	Miamisburg
Marlene Marianne Gargala	Powhatan Point
Robert Lindberg Gates, B.Sc. in Bus.Adm.	Columbus
Joan Rae Harvey	Clarksville
Geraldine Marie Hoff	Canton
Nancy Lee Corban Hofferberth	Dayton
Sandra Jean Householder	East Springfield
Emily Frazier Inskip	Columbus
Byron Hugh Johnson	Akron
Ronald Bert Jones	Columbus
Roger Eugene Kline	Risingsun
Carol Jo Kranz	Fostoria
Arla Chatfield Krichbaum, B.A.	McArthur
James E. Lanier	Woodsfield
Ralph Phelps Linnabary, Jr.	Pataskala
Janet Linton	Rocky River
Gary Ralston Long, B.A.	Latrobe, Pa.
Nancy Nirdlinger Lurie	Columbus
Clifford Lynch	Tiffin
Crosby Miller Manchester III	Waynesfield
Marguerite Bailey Manring	Worthington
William Adrian March	Ashtabula
Sally Elaine Miller	Columbus
Linda Kay Montgomery	Steubenville
Judith Ann Morrison (cum laude)	Columbus

Joyce Elaine Mueller.....	Springfield
Margaret Mary Mueller.....	Rocky River
Mary Kay Neer.....	South Vienna
Marilyn Faye Obrecht.....	Loudonville
David Paul O'Brien.....	Columbus
James William Parker.....	Columbus
David Michael Pendergast.....	Granville
Jane Bates Peters.....	Columbus
Marilyn Roberta Phillips.....	Tipp City
Richard Henry Pine.....	Columbus
Sharlene Ann Polk (cum laude) .....	Shaker Heights
Thomas Charles Pottmeyer.....	Columbus
Trent Richard Powers.....	Monticello, Minn.
Dorothy June Priest.....	Columbus
Elaine Cleona Riehl.....	Canfield
Patricia McElwee Roth (summa cum laude) .....	Madison
James Glenn Samuels.....	Eaton
William Charles Schmitt.....	Chardon
Judith Diane Schofield.....	Columbus
Cheryl Louise Scott.....	Walhonding
Joseph Sekel.....	Buffalo
Edward Lee Simmons.....	Columbus
Janet Kahn Smith.....	University Heights
Patricia Ann Smith.....	Xenia
Kenneth Solomon.....	Columbus
Marilyn Glunt Spittler, B.Sc. in Phar.....	Greenville
Janet Louise Stagny.....	Barberton
Janice Louise Stanley.....	Marion
Joyce Elma Stewart.....	Shadyside
*John Lee Stillions.....	Coshocton
John Lee Strapp.....	Columbus
James Franklin Suer.....	Columbus
Brenda Virginia Sweazy.....	Westerville
Alice Clinton Tedrow.....	Toledo
John Henson Thomas.....	Jackson
Judy Ankney Thompson.....	Bucyrus
Jacob Heffner Towers, B.S. (United States Military Academy) ..	Circleville
Max Wayne Treier.....	Findlay
*Elton Roger Trent.....	Manchester
Eunice Udelf.....	Cleveland
Robert Vitale.....	Columbus
Thomas Browning Walsh.....	Roseville
Gretta Moore Ware.....	Canal Winchester
Danielle Arnet Warnes.....	Columbus
Jene Watkins (cum laude).....	Smithfield
Sandra May Welch.....	Columbus
Mary Elayne Wicklund.....	Toledo
Ann Marie Funk Williams.....	Columbus
Larry Wendell Williams.....	Adamsville
Lois Kay Willis.....	Columbus
Jowanda Wilson (cum laude).....	Washington C. H.
Carol Gearhart Winans, B.Mus.....	Columbus
Alice Kimmel Wood.....	Bloomville
Gail Irene Woodrow.....	Mentor
John Thomas Woodrow.....	Columbus
Martha Fontana Worth.....	Columbus

\* Two degrees

Richard Kenneth Wright.....	Zanesville
Walter Wendell Wyatt.....	Cincinnati
Sharon Joy Hermes Yoesting.....	New Carlisle
Joseph George Yuhus, B.Sc. in Agr., M.Sc.....	Cleveland
Donald Robert Zippert.....	Northfield

(One hundred and twelve candidates)

### **Bachelor of Fine Arts**

Wiley Hill Clodfelder.....	Montgomery, Ala.
Georgia Elaine Doles.....	Toledo
Nancy Elizabeth Draudt.....	Galena
Sandra Faysash LaMonica.....	Akron

(Four candidates)

### **Bachelor of Science in Occupational Therapy**

Elaine Estella Fink.....	Fredericktown
Caroline Josse Watkins.....	Waynesfield

(Two candidates)

# COLLEGE OF ENGINEERING

Dean: HAROLD A. BOLZ

## Bachelor of Agricultural Engineering

Norman Jerome Hanko.....Wakeman  
Paul Mack Plummer.....Wapakoneta

(Two candidates)

## Bachelor of Civil Engineering

John Edward Bryner.....Wooster  
Hayden Edward Chapman.....Columbus  
Richard Howard DeWitt.....Columbus  
William Howard Lord.....Fredericktown  
John David Ober.....Springfield  
Robert Michael Obringer.....Norwalk  
Richard Willard Riethmiller.....Columbus

(Seven candidates)

## Bachelor of Electrical Engineering

Donald Thomas Doyle.....Columbus  
Samuel Alan Groening, B.S.A.E. (United States Air Force Institute  
of Technology).....York, Pa.  
Edwin Lee Hamilton.....Greenfield  
Earl Maynard Kaiser.....Galloway  
Walter Robert Kelley.....Waverly  
Carl Fred Leithe.....Columbus  
Richard Karl Oswald, Jr. (cum laude).....Leipsic  
Anson Gary Parish.....Prospect  
Robert James Schaffer.....Columbus  
William Thomas Simonin.....Columbus

(Ten candidates)

## Bachelor of Industrial Engineering

Timothy Frank Edwards.....Columbus  
Richard Edward Evans.....Columbus  
Barry Colvin Ingram.....Middletown  
David Alan Peterman.....Findlay  
Myrl Daniel Sauder.....Archbold  
Ronald William Schmidt.....Solon  
Vincent Paul Truax, Jr., B.S. (Saint Vincent College)....Wheeling, W. Va.

(Seven candidates)

## Bachelor of Mechanical Engineering

Robert Eugene Blanchard.....Killbuck  
Ronald Anthon Bulow.....Bethel  
Richard Louis Columbus, B.Sc.....Mt. Vernon, N. Y.  
Joseph Amos Donaldson.....Columbus  
David Edward Goers.....Worthington  
Kenneth Harvey Mason.....New Philadelphia  
Raymond Arthur Miklos.....Columbus  
Verlon Eugene Whitehead.....St. Paris

(Eight candidates)



**Bachelor of Science  
in Physics**

**Erich Werner Kroeger.....Strongsville**  
(One candidate)

**Bachelor of Welding Engineering**

**Gary Lee Cable.....East Canton**  
**Frank Joseph Sattler.....Perrysburg**  
(Two candidates)

**SCHOOL OF ARCHITECTURE AND LANDSCAPE ARCHITECTURE**

**Bachelor of Landscape Architecture**

**Geoffrey Lew Rausch.....Columbus**  
(One candidate)

## COLLEGE OF LAW

Dean: FRANK R. STRONG

### Bachelor of Laws

Robert Patrick Baughman, B.Sc. in Bus.Adm.....Columbus  
Philip J. Franks, B.S.C. (Ohio University).....Wooster  
Robert Collins Quinn, B.A. (Ohio Wesleyan University).....Steubenville  
Lawrence Clark Sherman, B.B.A. (University of Michigan).....Dayton  
Stephen James Takacs, A.B. (Ohio University).....Lyndhurst  
(Five candidates)

# COLLEGE OF MEDICINE

Dean: RICHARD L. MEILING

## SCHOOL OF NURSING

### Bachelor of Science in Nursing

LaDonna Basford.....	Wheelersburg
Helen Louise Cain.....	Sandwich, Ill.
Alexandria Djisheff .....	Youngstown
Suzanne Donohoe (summa cum laude).....	Zanesville
Mary Margaret Dunlap.....	Belmont
Josephine Therese Hickey.....	Cleveland
Eva Dale Jones.....	Grafton, W. Va.
Barbara Oetjen Miller.....	Columbus
Ann Elizabeth Moats.....	Sherwood
Sandra Brownworth Skinn.....	Sandusky
Virginia Ann Treece.....	Perrysburg

(Eleven candidates)

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THE OHIO STATE UNIVERSITY  
OFFICIAL PROCEEDINGS OF THE  
NINE HUNDRED AND SEVENTY-SEVENTH MEETING  
OF THE BOARD OF TRUSTEES

Columbus, Ohio, February 15, 1963

The Board of Trustees met at its regular monthly meeting on Friday, February 15, 1963, at The Ohio State University, Columbus, Ohio, pursuant to adjournment.

Present: Forrest G. Ketner, Chairman, Thomas F. Patton, Smith L. Rairdon, Alan B. Loop, Jacob E. Davis, Stanley C. Allyn, and John W. Bricker.

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The minutes of the last meeting were approved.

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President Fawcett presented the following recommendations:

I. GENERAL RECOMMENDATIONS

A. Establishment of Department of Physical Medicine  
in the College of Medicine

The Faculty Council on January 8, 1963 approved the recommendation adopted by the Faculty of the College of Medicine and endorsed by the Council on Instruction that a Department of Physical Medicine be established in the College of Medicine, effective July 1, 1963.

This proposed department is to be responsible for teaching, research, and patient care in the special area of physical medicine and medical rehabilitation. For many years the area of physical medicine has been administered as a Division of Physical Medicine in the Department of Medicine. This Division currently offers an instructional program at the postgraduate, graduate, professional and undergraduate levels. The undergraduate work includes 18 courses for the baccalaureate student in physical therapy. This proposed reorganization, if approved, would bring The Ohio State University's College of Medicine in line with 35 similar colleges which have separate Departments of Physical Medicine. It is understood that all aspects of the educational program of the Division of Physical Medicine in the Department of Medicine will be transferred to the new Department of Physical Medicine.

It is therefore recommended that the above action of the Faculty Council be approved.

Upon motion of Mr. Davis, seconded by Mr. Bricker, the above recommendation was unanimously approved by roll call vote.

B. Honorary Degrees

The Faculty Council on January 8, 1963 recommended that the honorary degree, Doctor of Humane Letters, be conferred on:

Carl Raymond Arnold  
Jerome Lawrence  
Herman B Wells  
Carl Frederick Wittke

and also that the honorary degree, Doctor of Science, be conferred on:

Russell Games Slayter  
Bertram D. Thomas

It is therefore recommended that the Board of Trustees approve the Faculty Council recommendations and that these degrees be awarded at the June, 1963 Commencement or at one of the following Commencements to be held during the year 1963.

Upon motion of Mr. Bairdon, seconded by Mr. Bricker, the above recommendation was unanimously approved by roll call vote.

I. GENERAL RECOMMENDATIONS (continued)

C. Appointment of Special Legal Counsel

The University is confronted with an increasing volume of work which requires assistance and advice in the preparation of legal instruments and documents, necessary litigation, and consulting service from the Office of the Attorney General, State of Ohio. Upon the request of the Vice President for Business and Finance and under authority of Chapter 109, Ohio Revised Code, the Attorney General has appointed Mr. Huntington Carlile as Special Counsel for The Ohio State University.

It is therefore recommended that the Board of Trustees authorize the payment of fees for services rendered to the University by Mr. Huntington Carlile as approved by the Attorney General of Ohio.

Upon motion of Mr. Davis, seconded by Mr. Rairdon, the above recommendation was unanimously approved by roll call vote.

D. Athletic Department Budget for 1962-63 Amended

At the request of the Executive Dean, Student Relations, representing the Athletic Council, and with the concurrence of the Vice President, Business and Finance, and the Cabinet, it is recommended that the 1962-63 annual budget for the Athletic Department be amended by increasing expenditures in the amount of \$7,875.00 from available income for the reconversion and renovation of the heating plant located at the University Golf Course.

Upon motion of Mr. Loop, seconded by Mr. Davis, the above recommendation was unanimously approved by roll call vote.

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II. PERSONNEL CHANGES

It is recommended that all personnel changes since the December 13, 1962 meeting of this Board, as recorded in the official "Salary Roll" of the University, be approved by the Board. These changes include the following Promotion, Leaves of Absence Without Salary, and Emeritus Titles:

A. Promotion

John A. Prior promoted from Assistant Dean and Secretary, College of Medicine to Associate Dean and Secretary, College of Medicine, and appointed Associate Director, University Hospital, effective January 1, 1963 with no change in salary. Dr. Prior holds the rank of Professor in the Department of Medicine.

B. Leaves of Absence Without Salary

Michael J. Jucius, Professor, Business Organization, October 1, 1963 through September 30, 1964, to be a Visiting Professor of Management at the Arizona State University, Tempe, Arizona.

February 15, 1963 meeting, Board of Trustees

## II. PERSONNEL CHANGES (continued)

### B. Leaves of Absence Without Salary (continued)

William Molnar, Professor (part time - 50%), Radiology, and Radiologist (part time - 50%), University Hospital, February 13, 1963 through March 14, 1963, to visit foreign countries as a representative of the United States State Department.

Herbert H. Hadley, Associate Professor (District Supervisor), Agricultural Extension Service, March 16, 1963 through June 15, 1963, to study at Michigan State University.

George J. Garman, Instructor (County Extension Agent, 4-H) Ashtabula County, Agricultural Extension Service, February 16, 1963 through March 15, 1963, to study at The Ohio State University.

Jean MacVicar, Instructor, School of Nursing, February 1, 1963 through June 30, 1963, to complete her study for the Master's degree at Western Reserve University.

### C. Emeritus Titles

Wesley S. Green, Agricultural Extension Service, with the title Instructor (County Extension Agent, Agriculture) Emeritus, effective March 1, 1963.

Floyd I. Lower, Agricultural Extension Service, with the title Instructor (County Extension Agent, Agriculture) Emeritus, effective March 1, 1963.

Upon motion of Mr. Patton, seconded by Mr. Rairdon, the Promotion, Leaves of Absence Without Salary, Emeritus Titles, and the personnel changes recorded in the official "Salary Roll" of the University were unanimously approved by roll call vote, and the Secretary was instructed to file these changes in the "Salary Roll" with the official documents of the University.

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## III. GENERAL CONTRACTS AND AGREEMENTS

### A. The Ohio State University and The Ohio State University Research Foundation

In accordance with the Memorandum of Agreement between The Ohio State University and The Ohio State University Research Foundation approved by this Board on September 5, 1950, it is recommended that the research agreements for the following projects administered through the Research Foundation be approved and recorded in the minutes of this meeting.



III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

1. Government Contracts - Federal

- a. Department of Health, Education and Welfare, Public Health Service, Bureau of State Services, Washington 25, D. C., for an Investigation of Physiology of Aquatic Bacteria (to be known as Bureau of State Services Project No. 705 - Ext. #7 - Department of Microbiology).  
Gross Value - \$8,634.00.
- b. Headquarters, Electronic Systems Division, AFSC, Laurence G. Hanscom Field, Bedford, Massachusetts, for Studies in Radio Astronomy (to be known as Electronic Systems Division Project No. 844 - Mod. #7 - Department of Electrical Engineering).  
Gross Value - \$30,000.00.
- c. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Neural Time-Space Mechanisms and Reading Disabilities (to be known as National Institutes of Health Project No. 876 - Ext. #4 - Institute for Research in Vision).  
Gross Value - \$10,159.00.
- d. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Hemopoiesis: A Histochemical and Cytological Study (to be known as National Institutes of Health Project No. 893 - Ext. #4 - Department of Anatomy).  
Gross Value - \$16,344.00.
- e. Department of Health, Education and Welfare, Public Health Service, Bureau of State Services, Washington 25, D. C., for an Investigation of Microbiological Aspects of Farm-Pond Water Supplies (to be known as Bureau of State Services Project No. 895 - Ext. #4 - Department of Microbiology).  
Gross Value - \$14,262.00.
- f. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Phospholipide Metabolism in Relation to Cell Division (to be known as National Institutes of Health Project No. 911 - Ext. #4 - Institute of Nutrition and Food Technology).  
Gross Value - \$14,795.00.
- g. Department of the Navy, Office of Naval Research, Washington 25, D. C., for an Investigation of Properties of Non-Metallic Solids at Low Temperatures, by Use of Nuclear Magnetic Resonance Techniques (to be known as Office of Naval Research Project No. 989 - Amend. #5 - Department of Physics).  
Gross Value - \$17,500.00.

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

- h. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Psychophysiology of Congenital Retinal Disease (to be known as National Institutes of Health Project No. 992 - Ext. #3 - Institute for Research in Vision).  
Gross Value - \$10,273.00.
- i. Department of Health, Education and Welfare, Public Health Service, Bureau of State Services, Washington 25, D. C., for an Investigation of Significance of Spore-Forming Microorganisms in Milk (to be known as Bureau of State Services Project No. 1046 - Ext. #3 - Department of Dairy Technology).  
Gross Value - \$12,851.00.
- j. Headquarters, Electronic Systems Division, AFSC, Laurence G. Hanscom Field, Bedford, Massachusetts, for an Investigation of Thermal Radiation Methods of Atmospheric Probing (to be known as Electronic Systems Division Project No. 1055 - Mod. #5 - Department of Physics).  
Gross Value - \$35,000.00.
- k. Headquarters, Electronic Systems Division, AFSC, Laurence G. Hanscom Field, Bedford, Massachusetts, for an Analysis of Global and Special Gravity Measurements (to be known as Electronic Systems Division Project No. 1058 - Mod. #8 - Department of Geodetic Science).  
Gross Value - \$4,995.00.
- l. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for Midwest Cooperative Chemotherapy Group (to be known as National Institutes of Health Project No. 1094 - Ext. #3 - Department of Medicine).  
Gross Value - \$15,024.00.
- m. U. S. Atomic Energy Commission, Chicago Operations Office, 9800 Cass Avenue, Argonne, Illinois, for an Investigation of New Tracer Techniques for Evaluating the Effects of an Insecticide on the Ecology of a Forest Fauna (to be known as U. S. Atomic Energy Commission Project No. 1207 - Sup. #2 - Department of Zoology and Entomology).  
Gross Value - \$10,960.00.
- n. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Ethanolamine Metabolism in Animals and Plants (to be known as National Institutes of Health Project No. 1217 - Ext. #2 - Department of Physiological Chemistry and Pharmacology).  
Gross Value - \$8,999.00.

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

- o. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of The Biochemical Role of the Essential Fatty Acids (to be known as National Institutes of Health Project No. 1218 - Ext. #2 - Institute of Nutrition and Food Technology).  
Gross Value - \$14,493.00.
- p. Department of Health, Education and Welfare, Public Health Service, Bureau of State Services, Washington 25, D. C., for an Investigation of Mechanisms of Photochemically Initiated Oxidations (to be known as Bureau of State Services Project No. 1220 - Ext. #2 - Department of Chemistry).  
Gross Value - \$27,339.00.
- q. Headquarters, Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, for an Investigation of the Relationship of Microstructure to Strength and Toughness in High Strength Steel (to be known as Aeronautical Systems Division Project No. 1224 - Sup. #4 - Department of Metallurgical Engineering).  
Gross Value - \$34,614.00.
- r. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Constituents of Mammea americana L. and Related Plants (to be known as National Institutes of Health Project No. 1231 - Ext. #2 - Department of Chemistry).  
Gross Value - \$12,686.00.
- s. Headquarters, Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, for A Study of the Stability of Tungsten in Carburizing and Oxidizing Atmospheres (to be known as Aeronautical Systems Division Project No. 1247 - Sup. #5 - Department of Metallurgical Engineering).  
Gross Value - \$49,970.00.
- t. Sandia Corporation, P. O. Box 5800, Albuquerque, New Mexico, for Research Investigation of Uranium Corrosion Mechanism (to be known as Sandia Corporation Project No. 1292 - C. O. #4 - Department of Metallurgical Engineering).  
Gross Value - \$1,980.00.
- u. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Ventricular Ejection Studied by Simplified Techniques (to be known as National Institutes of Health Project No. 1337 - Ext. #2 - Department of Medicine).  
Gross Value - \$14,315.00.

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

- v. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Effects of Viruses on Germfree Dogs and Cats (to be known as National Institutes of Health Project No. 1356 - Ext. #1 - Department of Veterinary Pathology).  
Gross Value - \$37,995.00.
- w. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for A Study of Nurse Action in Relief of Pain (to be known as National Institutes of Health Project No. 1385 - Ext. #1 - School of Nursing).  
Gross Value - \$39,066.00.
- x. Department of the Navy, Office of Naval Research, Washington 25, D. C., for Initiation of Basic Research on the Processes of Crystal Growth and Dissolution (to be known as Office of Naval Research Project No. 1386 - Amend. #2 - Department of Metallurgical Engineering).  
Gross Value - \$60,000.00.
- y. Headquarters, Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, for an Investigation of Information Processing in the Frog's Retina (to be known as Aeronautical Systems Division Project No. 1392 - Mod. #2 - Institute for Research in Vision).  
Gross Value - \$14,085.00.
- z. Headquarters, Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, for an Investigation of Anelastic Behavior in Metals (to be known as Aeronautical Systems Division Project No. 1393 - Sup. #2 - Department of Metallurgical Engineering).  
Gross Value - \$18,956.00.
- aa. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Metabolic Defects in Male Pseudohermaphroditism (to be known as National Institutes of Health Project No. 1397 - Ext. #1 - Children's Hospital).  
Gross Value - \$8,993.00.
- bb. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Lipoproteins and Cellular Organization (to be known as National Institutes of Health Project No. 1404 - Ext. #1 - Department of Physiological Chemistry and Pharmacology).  
Gross Value - \$17,153.00.

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

- cc. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for a Study of Hard Dental Tissues and Restorative Materials (to be known as National Institutes of Health Project No. 1410 - Ext. #1 - College of Dentistry).  
Gross Value - \$5,405.00.
- dd. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Drug Induced Circulatory Changes in Hyperthyroidism (to be known as National Institutes of Health Project No. 1449 - Ext. #1 - Department of Medicine).  
Gross Value - \$10,107.00.
- ee. U. S. Army Materiel Command, Harry Diamond Laboratories, Washington 25, D. C., for an Investigation of Semiconductor Properties Affected by Acceleration (to be known as U. S. Army Materiel Command Project No. 1471 - Mod. #3 - Department of Electrical Engineering).  
Gross Value - \$14,000.00.
- ff. Headquarters, Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, for Research on the Structure and Organization of the Nervous System from an Information Point of View (to be known as Aeronautical Systems Division Project No. 1506 - Sup. #2 - Department of Physiology).  
Gross Value - \$4,718.00.
- gg. Headquarters, Air Force Office of Scientific Research, Office of Aerospace Research, Washington 25, D. C., for Research on Rotating R-F Field Plasma (to be known as Office of Aerospace Research Project No. 1556 - New - Department of Physics).  
Gross Value - \$59,024.00.
- hh. Headquarters, Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, for an Investigation of the Utilization of the Point Matching Techniques for Various Boundary Value Problem Solutions (to be known as Aeronautical Systems Division Project No. 1568 - New - Engineering Mechanics).  
Gross Value - \$54,700.00.
- ii. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Anabolic Control in Normal and Neoplastic Tissues (to be known as National Institutes of Health Project No. 1571 - New - Department of Agricultural Biochemistry).  
Gross Value - \$14,000.00.

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

- jj. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Genetic Analysis of Foulbrood Resistance (to be known as National Institutes of Health Project No. 1572 - New - Department of Zoology and Entomology).  
Gross Value - \$17,704.00.
- kk. Headquarters, Air Force Office of Scientific Research, Office of Aerospace Research, Washington 25, D. C., for an Investigation of Detonation Wave Formation in Flowing Gaseous Mixture (to be known as Office of Aerospace Research Project No. 1574 - New - Department of Aeronautical and Astronautical Engineering).  
Gross Value - \$94,548.00.
- ll. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for Chemical Studies of Stimulated Retina (to be known as National Institutes of Health Project No. 1575 - New - Institute for Research in Vision).  
Gross Value - \$15,856.00.
- mm. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Postmortem Survival of Fetal Liver (to be known as National Institutes of Health Project No. 1578 - New-Children's Hospital).  
Gross Value - \$34,896.00.
- nn. Headquarters, Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, for Research on Similarity Parameters Relating Model Tests in High-Enthalpy Hypersonic Wind Tunnels to Corresponding Full-Scale Flight Conditions (to be known as Aeronautical Systems Division Project No. 1580 - New - Department of Aeronautical and Astronautical Engineering).  
Gross Value - \$49,220.00.
- oo. National Science Foundation, Washington 25, D. C., for Fundamental Studies of Reaction Mechanism (to be known as National Science Foundation Project No. 1581 - New - Department of Chemistry).  
Gross Value - \$48,900.00.
- pp. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Experimental Polioencephalomyelitis (to be known as National Institutes of Health Project No. 1582 - New - Department of Veterinary Pathology).  
Gross Value - \$28,787.00.

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

- qq. Department of the Navy, U. S. Naval Training Device Center, Port Washington, New York, for Team Training Study (to be known as U. S. Naval Training Device Center Project No. 1584 - New - Department of Psychology).  
Gross Value - \$37,313.00.
- rr. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for Germ-Free and Gnotobiotic Ruminant Nutrition Studies (to be known as National Institutes of Health Project No. 1586 - New - Institute of Nutrition and Food Technology).  
Gross Value - \$22,951.00.
- ss. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Taste Thresholds and Drug Response (to be known as National Institutes of Health Project No. 1587 - New - Psychiatric Institute and Hospital).  
Gross Value - \$4,025.00.
- tt. National Science Foundation, Washington 25, D. C., for Electron Paramagnetic Resonance Studies at Low and High Fields (to be known as National Science Foundation Project No. 1588 - New - Department of Chemistry).  
Gross Value - \$55,900.00.
- uu. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Respiratory Regulation of Heart Rate (to be known as National Institutes of Health Project No. 1591 - New - Department of Physiology).  
Gross Value - \$13,310.00.
- vv. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Tissue Heparin Levels in Fetus and Newborn (to be known as National Institutes of Health Project No. 1592 - New - Children's Hospital).  
Gross Value - \$27,493.00.

TOTAL - Government Contracts - Federal \$1,174,298.00

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

2. Industrial and Other Contracts

- a. University of Illinois, Business Office, Purchasing Division, 203 Administration Building, Urbana, Illinois, for Transmission of Pulsed Radio Signals at 6.4MC/S (to be known as University of Illinois Project No. 473 - Mod. #34 - Department of Electrical Engineering).  
Gross Value - \$1,350.00.
- b. Eastman Kodak Company, Apparatus and Optical Division, 400 Plymouth Avenue, N., Rochester 4, New York, for an Investigation of Infrared Stellar Background Problems (to be known as Eastman Kodak Company Project No. 1418 - C. N. #4 - Department of Astronomy).  
Gross Value - \$1,500.00.
- c. Butler County Heart Association, 110 North Third Street, Hamilton, Ohio, for Phonic Studies of Extra-cranial Cerebral Circulation - A Pilot Study (to be known as Butler County Heart Association Project No. 1567 - New - Department of Surgery).  
Gross Value - \$2,100.00.
- d. Health Research, Inc., Roswell Park Division, 666 Elm Street, Buffalo 3, New York, for Breast Adjuvant Study (to be known as Health Research, Inc. Project No. 1569 - New and Check #7987 - Department of Surgery).  
Gross Value - \$4,040.00.
- e. Geonautics, Inc., Dupont Circle Building, 1346 Connecticut Avenue, N. W., Washington 6, D. C., for Gravity and Astro Position Observations at Farmington, Connecticut (to be known as Geonautics, Inc. Project No. 1570 - New - Department of Geodetic Science).  
Gross Value - \$2,295.00.
- f. Wayne County Heart Association, Box 148, Apple Creek, Ohio, for Study of Renal Transport of Functional Test Agents (to be known as Wayne County Heart Association Project No. 1585 - New - Department of Surgery).  
Gross Value - \$2,415.00.
- g. General Electric Company, Evendale Plant, FPLD Materials Purchasing, Cincinnati 15, Ohio, for Hypersonic Model Testings - Models 38 and 15 (to be known as General Electric Company Project No. 1589 - New - Department of Aeronautical and Astronautical Engineering).  
Gross Value - \$30,058.00.



III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

2. Industrial and Other Contracts (continued)

- h. Stark County Heart Council, 260 Hillman Building, 127 2nd Street, N. E., Canton 2, Ohio, for an Investigation of Adrenal Steroid Production in Hypertension (to be known as Stark County Heart Council Project No. 1590 - New - Department of Physiology). Gross Value - \$7,471.00.
- i. The American Cancer Society, Inc., 521 West 57th Street, New York 19, New York, for Cancer Research (to be known as The American Cancer Society, Inc. Project No. 1593 - New - Department of Pathology). Gross Value - \$35,000.00.

TOTAL - Industrial and Other Contracts \$86,229.00

The foregoing fifty-seven contracts for research in cooperation with Government, Industry and Other represent a gross income of \$1,260,527.00.

Upon motion of Mr. Davis, seconded by Mr. Rairdon, the research agreements between The Ohio State University and The Ohio State University Research Foundation for the above contracts were unanimously approved.

B. The Report of the Research Contracts  
from the Engineering Experiment Station

During the period from December 1, 1962 through February 1, 1963 the Engineering Experiment Station of The Ohio State University entered into the following research contracts. These research contracts are reported to the Board of Trustees for information and record.

1. Industrial Research Contracts

- EES 199      The Dynamic Elastic Properties and Inelastic Response  
Ext. #2      of Asphaltic Concrete, National Bituminous Concrete  
                 Association, Washington, D. C., The Ohio State Uni-  
                 versity Development Fund.  
                 Gross Value - \$1,500.00.
- EES 221      A Study to Determine the Degradability of Selected  
                 Detergent Materials by Septic Tank Treatment, The Procter  
                 and Gamble Company, Cincinnati, Ohio.  
                 Gross Value - \$9,480.00.
- EES 222      Development of Natural Aggregate as a Construction Material,  
                 The Marble Cliff Quarries Company, Columbus, Ohio.  
                 Gross Value - \$5,000.00.

The foregoing three contracts for research in the Engineering Experiment Station represent a gross income of \$15,980.00.

### III. GENERAL CONTRACTS AND AGREEMENTS (continued)

C. Memorandum of Agreement between the Ohio Cooperative Extension Service, the College of Agriculture and Home Economics of The Ohio State University and The Ohio Farm and Home Electrification Council, Inc.

It is recommended that the agreement between the Ohio Cooperative Extension Service, the College of Agriculture and Home Economics of The Ohio State University and The Ohio Farm and Home Electrification Council, Inc. be continued for the fiscal year beginning July 1, 1963 and that the President be authorized to sign said agreement on behalf of The Ohio State University with the understanding that all costs for the program are to be covered by funds transferred from The Ohio Farm and Home Electrification Council, Inc. to an appropriate account of the Cooperative Extension Service. The purpose of this memorandum of agreement is to coordinate the efforts and unite the resources of the above-mentioned agencies in formulating and carrying on an educational program in farm and home electrification.

Upon motion of Mr. Allyn, seconded by Mr. Loop, the Board of Trustees by unanimous roll call vote authorized the President to sign the Memorandum of Agreement between the aforesaid agencies.

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### IV. GRANTS AND GIFTS

The following grants and gifts to the University, including the establishment of certain endowment funds, are hereby reported for the record and appropriate expression of appreciation has been conveyed:

A. Administered Through the Office of Business and Finance

1. \$80,000.00 granted by the Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, to the University for a "Training Program in Veterinary Pathology," under the direction of Dr. Clarence R. Cole, Department of Veterinary Pathology, for the period January 1, 1963 through June 30, 1964. (Grant 1-T1-GM-1052-01)
2. \$25,000.00 granted by the National Science Foundation to the University for support of an "Undergraduate Instructional Scientific Equipment Program," under the direction of Professor E. L. Jossem, Department of Physics. This grant terminates on January 31, 1965. (Grant GE-1295)
3. \$16,000.00 granted by the National Science Foundation to the University for support of an "Undergraduate Science Education Program," under the direction of Professor Paul G. Gassman, Department of Chemistry. This grant terminates on August 31, 1964. (Grant GE-1208)
4. \$12,124.00 granted by the Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, to the University for "Circulatory Dynamics and Cardiac Conduction in Various Species," under the direction of Dr. Robert L. Hamlin, Department of Veterinary Physiology and Pharmacology, for the period April 1, 1963 through March 31, 1964. (Grant HE-K3-13, 524)

IV. GRANTS AND GIFTS (continued)

A. Administered Through the Office of Business and Finance (continued)

5. \$9,541.00 granted by the Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, to the University for "Effect of Occlusal Patterns on Edentulous Individuals," under the direction of Dr. Julian B. Woelfel, College of Dentistry, for the period April 1, 1963 through March 31, 1964. (Grant DE 00548-07)

TOTAL - Through the Office of Business and Finance \$142,665.00

B. Received Through the Development Fund

1. \$30,000.00 from E. I. duPont de Nemours & Company to support fundamental research in the Departments of Chemistry, Chemical Engineering, Physics, and Metallurgy for 1963-64.
2. \$27,639.66 from the Estate of Kathryn Weisner, formerly of Dayton, Ohio, for the establishment of a Kathryn Weisner Scholarship Fund.

Kathryn Weisner Scholarship Fund

The Kathryn Weisner Scholarship Fund was established February 1, 1963 by a bequest through the Development Fund from Kathryn Weisner, formerly of Dayton, Ohio. The principal is to be invested according to rules and regulations adopted by the Board of Trustees of The Ohio State University with right to invest and reinvest as occasion dictates.

Principal and/or income is to be used to provide scholarships in the amount of One Thousand Dollars (\$1,000.00) each for deserving students majoring in the field of conservation. Such scholarships are to be awarded by the University scholarship committee on the recommendation of the Director, Natural Resources Institute.

3. \$25,000.00 from the Grand Aerie Fraternal Order of Eagles for the Max Baer Heart Fund of the Fraternal Order of Eagles for the support of cardiac research under the direction of Dr. James Warren, Department of Medicine.
4. \$15,000.00 from The Payne Fund Inc. to the College of Education, Bureau of Educational Research and Service, for support of the various instruments of communication from the Bureau.
5. \$15,000.00 from the Alton F. Davis Charitable Trust to be added to the Alton F. Davis Memorial Fund.
6. \$14,604.00 in securities from the Estate of Helen L. Baxter to be added to the LeCrone-Baxter Memorial Fund. The securities are:

IV. GRANTS AND GIFTS (continued)

B. Received Through the Development Fund (continued)

6. LeCrone-Baxter Memorial Fund (continued)

<u>Shares</u>	<u>Cert. No.</u>	<u>Name</u>
60	NY0129411	Aluminum Company of America
100	D355715	General Telephone & Electronics Corporation
100	D355716	General Telephone & Electronics Corporation
100	D355717	General Telephone & Electronics Corporation
36	D0374217	General Telephone & Electronics Corporation

These securities were accepted at the appraisal value in said estate, which was \$4,860.00 for the Aluminum Company of America stock and \$9,744.00 for the General Telephone & Electronics Corporation stock. The total received to date for this fund is \$324,153.29.

7. \$12,000.00 from the Corn Industries Research Foundation, Inc., for research under the direction of Professor M. L. Wolfrom, Department of Chemistry.
8. \$10,320.00 from the Charles F. Kettering Foundation, Yellow Springs, Ohio, for fellowships in the Departments of Chemistry and Physics.
9. \$10,000.00 from the Bremer Foundation to the College of Medicine for heart research.
10. \$8,400.00 from the Alfred P. Sloan Foundation for undergraduate scholarships in the Colleges of Engineering, Arts and Sciences, and Commerce and Administration.
11. \$8,000.00 from the Woodrow Wilson National Fellowship Foundation for graduate fellowships for 1962-63.
12. \$7,515.00 from the Charles F. High Foundation, Bucyrus, Ohio, for undergraduate scholarships.
13. \$7,500.00 from The Haverfield Foundation, Columbus, Ohio, for research in rheumatism and allied diseases, College of Medicine.
14. \$7,000.00 from an anonymous donor to be used at the discretion of the Dean of the College of Medicine for research, publications, and education, with priority in cancer and cerebral vascular diseases.
15. \$7,000.00 from the American Dairy Association for research in the Institute of Nutrition and Food Technology.
16. \$5,200.00 from the Air Reduction Company, Inc. for fellowships in the Department of Welding Engineering.
17. \$5,000.00 from the Arline and Thomas Patton Foundation, to be added to the Thomas F. Patton Fund for the College of Law.

IV. GRANTS AND GIFTS (continued)

B. Received Through the Development Fund (continued)

18. \$5,000.00 from the J. S. Mack Foundation, for purchase of pure bred livestock for the Department of Animal Science, College of Agriculture and Home Economics.
19. \$5,000.00 from John J. Fahey, M. D., Chicago, Illinois, for teaching and research under the direction of the Dean of the College of Medicine.
20. \$4,539.23 from Thomas C. Holy for the Gladys Grayce Holy Scholarship Fund.
21. \$3,812.50 in securities from an anonymous donor for the establishment of a Solomon Family Memorial Fund. The securities are as follows:

<u>Shares</u>	<u>Cert. No.</u>	<u>Name</u>
100	17973	West Ohio Gas Company common stock
100	17974	West Ohio Gas Company common stock
50	037656	West Ohio Gas Company common stock

The stock was received at a value of \$15.25 per share.

Solomon Family Memorial Fund

The Solomon Family Memorial Fund was established December 31, 1962, by a gift through The Ohio State University Development Fund. The principal is to be invested under rules and regulations adopted by the Board of Trustees of The Ohio State University, the income to be used for scholarships to worthy students from Lima and Allen County, Ohio.

22. \$3,000.00 from various donors for the establishment of a College of Medicine - University Hospital Memorial Fund.

College of Medicine - University Hospital Memorial Fund

The College of Medicine - University Hospital Memorial Fund was established December 21, 1962, by gifts through the Development Fund. This memorializes the following persons: Harry E. LeFever, Robert G. Stinchcomb, Lloyd P. Burgess, Robert N. Gorman, and Ethel Demorest.

The principal is to be invested by the Treasurer of The Ohio State University, according to rules and regulations adopted by its Board of Trustees, with right to invest and reinvest as occasion dictates.

The income is to be used for all types of research in the College of Medicine and improvements in patient care techniques in the University Hospital.

IV. GRANTS AND GIFTS (continued)

B. Received Through the Development Fund (continued)

22. College of Medicine - University Hospital Memorial Fund (continued)

In the event the need for such items ceases to exist, then the Board of Trustees of the University may use said income in its discretion, preference to be given however to items in the field of medicine.

It is also provided that the principal may be invaded to the extent of part or all of it for uses as indicated above.

23. \$2,500.00 from Donald C. Power, to be added to the Donald C. Power Fund for the College of Law.
24. \$2,000.00 from the E. Fougere and Company, Inc., Hicksville, New York, for research toxicity studies in the College of Medicine.
25. \$1,426.00 from various donors for the establishment of The Therese Stern Kahn Memorial Fund.

The Therese Stern Kahn Memorial Fund

The Therese Stern Kahn Memorial Fund was established January 1, 1963, by gifts through the Development Fund from William V. Kahn, Sharon Kahn Cohodes, and friends of Therese Stern Kahn, in her memory.

The principal is to be invested under rules and regulations adopted by the Board of Trustees of The Ohio State University, with right to invest and reinvest as occasion dictates. During the lifetime of William V. Kahn a request from him to deposit the principal of this Fund with the Treasurer of the State of Ohio, as provided in Section 3345.16 of the Revised Code of Ohio, shall be honored.

The income shall be used either alone or in conjunction with other funds for research in the area of the dreaded disease, cancer. In case the need for cancer research should cease to exist or so diminish as to create unused income from this Fund, then the Board of Trustees of The Ohio State University, upon recommendation of the Board of Directors of The Ohio State University Development Fund, may use such income for research upon a disease that is as dreaded as cancer, and thereby poses for medical science wide-sweeping problems that are in dire need of research for their solution.

26. \$1,158.75 from Alan B. Loop, to be credited to the College of Law Student Financial Aids Fund.

IV. GRANTS AND GIFTS (continued)

B. Received Through the Development Fund (continued)

27. \$927.05 from various donors for the establishment of the Lawrence A. Kauffman Memorial Fund.

Lawrence A. Kauffman Memorial Fund

The Lawrence A. Kauffman Memorial Fund was established December 21, 1962, by gifts through the Development Fund in memory of Lawrence A. Kauffman, B.Sc. in Agriculture, '20, former professor of Animal Husbandry. The principal is to be invested in accordance with Section 3345.16 of the Revised Code of Ohio. The income is to be used in the area of Animal Science.

In the event the income is not so used, then the Board of Trustees of the University shall determine the use of said income.

TOTAL - Through the Development Fund \$244,542.19

C. Gifts-in-Kind Received since the December 13, 1962 Meeting

1. One DC-3 Aircraft Number N-900, complete with all navigational equipment, in good operating condition from the Owens-Illinois Glass Company, Toledo, Ohio, to the School of Aviation.
2. Six Rem-Rand Conve-filers including chairs from The City Loan and Savings Company of Lima, Ohio, to be used at the discretion of the University.
3. One Number 1-A Turret Lathe with equipment from the Warren and Swazey Company, Cleveland, Ohio, to the Department of Industrial Engineering.
4. An art collection of fine hand-created lace work assembled by the late Mrs. Laura An Lisk Firestone from Mr. Raymond C. Firestone. This collection has been loaned to the Ohio Historical Society for an indefinite period.
5. A 327.42 acre farm from Bert W. Martin and Ada L. Martin, his wife (283.17 acres), and the Bert W. Martin Foundation (44.25 acres), to the Board of Trustees of The Ohio State University to be held in the University's endowment portfolio under the provisions of Section 3345.16 of the Revised Code of Ohio. This farm is identified as the Lakeholm Farm and is located in Knox County, adjacent to the City of Mount Vernon, Ohio.

Upon motion of Mr. Davis, seconded by Mr. Allyn, the above report of grants and gifts, including the establishment of certain endowment funds, was accepted, and the Secretary was instructed to include the report in the minutes of this meeting.

February 15, 1963 meeting, Board of Trustees

IV. GRANTS AND GIFTS (continued)

D. Report from The Ohio State University Development Fund

1. Month of December 1962

In December 1962, The Ohio State University Development Fund received gifts on behalf of the University as follows:

	<u>Number of Gifts</u>	<u>Amount</u>
Alumni	2,413	\$ 83,721.04
Individuals, Other Than Alumni	114	9,778.15
Non-Profit Organizations	38	119,458.48
Business Concerns	15	42,759.50
	<u>2,580</u>	<u>\$ 255,717.17</u>

Of these gifts, 1,993 totaling \$34,438.19 were undesignated and 587 totaling \$221,278.98 were designated.

2. Annual Report 1962

The totals for the calendar year 1962, January 1 to December 31, inclusive, are as follows:

	<u>Number of Gifts</u>	<u>Amount</u>
Alumni	29,063	\$ 672,834.02
Individuals, Other Than Alumni	873	41,545.02
Non-Profit Organizations	360	637,025.85
Business Concerns	284	504,531.58
	<u>30,580</u>	<u>\$1,855,936.47</u>

Of these gifts, 26,092 totaling \$244,381.30 were undesignated and 4,488 totaling \$1,611,555.17 were designated for special projects.

This represents an increase over 1961 of \$282,643.14 in money and a decrease in contributors of 1,720.

3. Month of January 1963

In January 1963, The Ohio State University Development Fund received gifts on behalf of the University as follows:

	<u>Number of Gifts</u>	<u>Amount</u>
Alumni	493	\$ 33,462.13
Individuals, Other Than Alumni	39	4,159.98
Non-Profit Organizations	33	76,935.93
Business Concerns	17	20,493.27
	<u>582</u>	<u>\$ 135,051.31</u>

Of these gifts, 376 for \$4,875.75 were undesignated and 206 for \$130,175.56 were designated for special projects.

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V. APPROPRIATIONS AND TRANSFER OF FUNDS

A. Home Economics - Transfer of Funds

Upon the request of the Director of the School of Home Economics and with the concurrence of the Dean of the College of Agriculture and Home Economics, it is recommended that the sum of \$20,000.00 be transferred from Pomerene Refectory Rotary 86228 to Rotary 18311.

Upon motion of Mr. Allyn, seconded by Mr. Rairdon, the transfer of funds from Rotary 86228 to Rotary 18311 was unanimously approved by roll call vote.

B. Appropriations for the Development of Research Projects

At the request of the Vice President for Research, and with the concurrence of the Vice President for Business and Finance and the Cabinet, it is recommended that the following amounts be appropriated from the University Treasurer Research Subaccounts as designated, for the projects named:

\$348,000.00 for the construction of a facility for the  
Antenna Laboratory Field Station Subaccount (e)

\$30,500.00 to provide matching funds with a grant  
in the amount of approximately \$36,800.00 to be  
requested of the National Science Foundation for  
the purchase of equipment to be installed in the  
proposed new Antenna Laboratory Field Station Subaccount (f)

\$200,000.00 to complete the funding for con-  
struction of new facilities for the Departments  
of Metallurgy and Mineralogy Subaccount (f)

\$5,200.00 for purchase of equipment for the  
Department of Mineralogy Subaccount (f)

\$6,500.00 for the purchase of a newly developed  
amplifier for the radio telescope to be installed  
on the site of the radio telescope located near  
Delaware, Ohio Subaccount (a)

\$160,000.00 for the construction of the interior  
space under the East Side of the Stadium recently  
enclosed for research in the behavioral sciences Subaccount (f)

\$19,000.00 to provide funds for matching a National  
Institutes of Health grant in the amount of \$24,621.00  
for the purchase of an electron microscope for the  
College of Veterinary Medicine Subaccount (f)

V. APPROPRIATIONS AND TRANSFER OF FUNDS (continued)

B. Appropriations for the Development of Research Projects (continued)

\$28,000.00 to provide funds for matching the  
National Science Foundation grant in the amount  
of \$25,000.00 for "Undergraduate Instructional  
Scientific Equipment Program," Department of  
Physics Subaccount (f)

Upon motion of Mr. Davis, seconded by Mr. Patton, the above recommendation  
for appropriation of funds was unanimously approved by roll call vote.

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VI. EXTRA ORDERS AND EXTENSIONS OF TIME TO CONTRACTS

At the request of the Council on Business Affairs, and with the concurrence of  
the Cabinet, it is recommended that the Extra Orders and Extensions of Time  
to Contracts as outlined below be approved by the Board of Trustees and sub-  
mitted to the Director of Finance, State of Ohio, for approval and allocation of  
funds as indicated.

A. University Airport, Hangar No. 4 (Phase 1)

General Contract

It is recommended that the height of the Mosher  
Bi-Fold Door be increased from 14' to 18' and  
the steel framing and door jambs be revised as  
necessary for the extra height. Add \$2,992.00

Funds will be provided from H. B. 1123, Item 801.

B. Botany and Zoology Building - Remodeling and Expansion

Plumbing Contract

It is recommended that the following changes  
be made:

1. Remove existing water faucets on two sinks  
in Room S-165 and provide self-closing, leg-  
operated mixing faucets.
2. Install a stainless steel sink with stainless  
steel support brackets and 6" back, complete  
with faucet, drain, trap and all connections  
in Room S-173-A.
3. Extend a 1/2" copper line from the gas line to  
the valves on the north and east counters into  
Room S-189-A from Room S-189. Add \$ 677.00

Funds will be provided from Account 19916, H. B. 1123.

VI. EXTRA ORDERS AND EXTENSIONS OF TIME TO CONTRACTS (continued)

C. Dining Facility - South

It is recommended that the Wage Scale as established by the U. S. Department of Labor be made a part of the General, Heating and Ventilating and Air Conditioning, Plumbing, Electrical and Kitchen Equipment Contracts as provided on Page 15a of the General Conditions. This scale is supplemental to the Wage Rates as determined by the Ohio Department of Industrial Relations. Where there is a difference in rates between these two schedules for any classification, the higher rate shall govern. These rates effect no change in the contract cost.

D. Structure to House Van de Graaff Generator

It is recommended that the original completion date of February 23, 1963 for all contracts on this project be extended to March 23, 1963. The unusually severe winter weather has delayed the work of enclosing the tower and other exterior work, resulting in a delay in completing all contracts.

Upon motion of Mr. Patton, seconded by Mr. Allyn, the above recommendation was unanimously approved by roll call vote.

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VII. PLANS AND SPECIFICATIONS

With the approval of the Council on Business Affairs, and with the concurrence of the Cabinet, it is recommended that the plans and specifications, bills of materials and estimate of cost for the following project be approved by the Board of Trustees:

A. Storm Sewer Improvement at University Airport

Funds will be provided from Department 2355, Budget Account 12350, Contract Repair and Remodeling.

Upon motion of Mr. Loop, seconded by Mr. Rairdon, the above recommendation was unanimously approved by roll call vote, and the Secretary was authorized and directed to sign the plans and specifications for the above project for and on behalf of the Board of Trustees. Vice President Carson was directed to proceed with a request for bids in the normal University manner and if satisfactory bids are received, to proceed with the award of contract. All action regarding this matter shall be reported to the Board of Trustees at a later meeting.

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VIII. REPORT OF AWARD OF CONTRACTS

In accordance with authorization provided by the Board of Trustees, the contracts for the following projects have been recommended for award and the action is hereby reported to the Board:

A. Dining Facility - South

WHEREAS The Ohio State University, pursuant to an advertisement for bids on the construction of the proposed Dining Facility - South heretofore published on the 3rd day of November, the 10th day of November, the 17th day of November, the 24th day of November, and the 6th day of December, did on the 5th day of December, 1962, and on the 17th day of December, 1962, at the Office of the Ohio Director of Public Works in Columbus, Ohio, receive bids for the construction of Dining Facility - South, said bids having been taken under advisement by the Director of Public Works and the Vice President, Business and Finance, of the University; and

WHEREAS the base bid of Miller-Edwards Co., Inc., for the general work is the lowest and best bid submitted by any responsible bidder; and

WHEREAS the base bid of the Huffman-Wolfe Co. for the heating, ventilating and air conditioning work is the lowest and best bid submitted by any responsible bidder; and

WHEREAS the base bid of J. A. Guy, Inc., on the plumbing work is the lowest and best bid submitted by any responsible bidder; and

WHEREAS the base bid of the Electric Power Equipment Co. for the electrical work was the lowest and best bid submitted by any responsible bidder; and

WHEREAS the base bid of John Van Range Co. for the kitchen equipment, when decreased by Alternate KE-2, is the lowest and best bid submitted by any responsible bidder:

	<u>Low Bid</u>	<u>Est. of Cost</u>
<u>General Contract (Readvertisement)</u>		
(5 bids received)		
Miller-Edwards Co., Inc. (Groveport)		
Base Bid	<u>\$274,900.00</u>	<u>\$295,000.00</u>
<u>Heating, Ventilating and Air</u>		
<u>    Conditioning Contract</u>		
(7 bids received)		
Huffman-Wolfe Co. (Columbus)		
Base Bid	<u>\$129,700.00</u>	<u>\$145,000.00</u>
<u>Plumbing Contract</u>		
(5 bids received)		
J. A. Guy, Inc. (Columbus)		
Base Bid	<u>\$ 51,700.00</u>	<u>\$ 58,000.00</u>

VIII. REPORT OF AWARD OF CONTRACTS (continued)

A. Dining Facility - South (continued)

	<u>Low Bid</u>	<u>Est. of Cost</u>
<u>Electrical Contract</u> (4 bids received)		
Electric Power Equipment Co. (Columbus)		
Base Bid	\$ 70,875.00	\$ 76,000.00
<u>Kitchen Equipment Contract</u> (6 bids received)		
John Van Range Co. (Cincinnati)		
Base Bid	\$112,741.00	\$110,000.00
Alt. KE-2 Omit "Mobile" Equipment	27,367.00	17,932.00
Total contract	\$ 85,374.00	\$ 92,068.00
Total All Contracts	\$612,549.00	\$666,068.00

NOW, THEREFORE, BE IT RESOLVED by The Ohio State University Board of Trustees:

That the contract for General Work in the amount of \$274,900.00 be awarded to the Miller-Edwards Company, Inc. ;

That the contract for Heating, Ventilating and Air Conditioning Work in the amount of \$129,700.00 be awarded to the Huffman-Wolfe Company;

That the contract for Plumbing Work in the amount of \$51,700.00 be awarded to the J. A. Guy, Inc. ;

That the contract for Electrical Work in the amount of \$70,875.00 be awarded to the Electric Power Equipment Company;

That the contract for Kitchen Equipment in the amount of \$85,374.00 be awarded to John Van Range Co. ; and

That these awards shall not be effective until the awardees have been notified in writing by the Secretary of The Ohio State University Board of Trustees of the award of the pertinent contract.

Upon motion of Mr. Davis, seconded by Mr. Allyn, the above resolution was unanimously adopted by roll call vote.

B. Repairs to Room 148, University Hospital

Bids were received on December 28, 1962 and the award of contracts recommended to the lowest and best bidders as follows:

February 15, 1963 meeting, Board of Trustees

VIII. REPORT OF AWARD OF CONTRACTS (continued)

B. Repairs to Room 148, University Hospital (continued)

	<u>Low Bid</u>	<u>Est. of Cost</u>
<u>General Contract</u> (8 bids received)		
Altman-Coady Co. (Columbus)	\$ 9,673.00	\$ 9,500.00
<u>Heating and Ventilating Contract</u> (4 bids received)		
The Kuempel Co. (Columbus)	11,740.00	12,500.00
<u>Electrical Contract</u> (6 bids received)		
Burroughs Electric Co., Inc. (Columbus)	9,312.00	20,000.00
Total contracts	<u>\$ 30,725.00</u>	<u>\$ 42,000.00</u>

Funds will be provided from H. B. 1123, Item 801, University Hospital.

C. Remodeling in Campbell Hall (Readvertised)

Bids were received on January 24, 1963 and the award of contracts recommended to the lowest and best bidders as follows:

	<u>Low Bid</u>	<u>Est. of Cost</u>
<u>Air Conditioning Contract</u> (2 bids received)		
Conditioned Air, Inc. (Columbus)		
Base Bid	\$108,000.00	\$122,000.00
Alt. AC-2 Add 2 Ventilators in Nursery	1,800.00	1,700.00
Alt. AC-3 Interconnect Chilled Water Lines	3,700.00	3,100.00
Alt. AC-4 Add Insulation in Attic	1,500.00	1,200.00
Total	<u>\$115,000.00</u>	<u>\$128,000.00</u>
<u>Electrical Contract</u> (4 bids received)		
Mid-City Electric Co. (Columbus)		
Base Bid	\$ 30,800.00	\$ 36,475.00
Alt. E-1 Corridor Fixtures with Suspended Ceiling	- 631.00	Add or deduct
Alt. E-3 Add Electric in Nursery	120.00	150.00
Total	<u>\$ 30,289.00</u>	<u>\$ 36,625.00</u>
Total all contracts	<u>\$145,289.00</u>	<u>\$164,625.00</u>

Funds will be provided from S. B. 592, Item 003.

Upon motion of Mr. Patton, seconded by Mr. Bricker, the above award of contracts and expenditure of funds were approved and the action of the Vice President, Business and Finance, ratified by unanimous roll call vote.

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IX. CONTROLLING BOARD APPROVALS

Each numbered approval shown below accomplishes the following purposes:

- 61        Authorizes the expenditure of \$7,767.02 from H. B. 1123, Maintenance Account 200, for extra work on the project "Repair and Resurface Sidewalks on Campus."
- 62        Authorizes the expenditure of \$158,000.00 from Rotary 801 to provide funds for the contracts and miscellaneous expenses in connection with the project "University Airport Hangar No. 4, Phase II."
- 63        Authorizes the expenditure of \$12,000.00 from H. B. 1123, Item 750 Land Purchase to provide funds for the acquisition of property at 161 West Lane Avenue.
- 64        Authorizes the expenditure of \$14,500.00 from H. B. 1123, Item 750 Land Purchase to provide funds for the acquisition of property at 149 West Lane Avenue.
- 65        Authorizes the expenditure of \$15,500.00 from H. B. 1123, Item 750 Land Purchase to provide funds for the acquisition of property at 151 West Lane Avenue.

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X. MISCELLANEOUS FROM OFFICE OF BUSINESS AND FINANCE

A. Facility for Department of Electrical Engineering (Addition to Antenna Laboratory)

It is recommended that Tully & Hobbs, Architects, Columbus, Ohio, be employed to provide complete architectural and engineering services for this project including preliminary plans, basic drawings, working drawings, specifications, estimate of cost, necessary bidding documents, and complete supervision of construction.

The fee for this service will be calculated on a percentage basis of 6 per cent of the contract cost or an estimated fee of \$19,230.00.

Funds will be provided from the University Treasurer Research Sub-account (e).

Upon motion of Mr. Bricker, seconded by Mr. Loop, the above recommendation was unanimously approved by roll call vote.

B. Demolition of Buildings

Upon the request of the Vice President, Business and Finance, and with the concurrence of the Cabinet, it is recommended that all buildings located on the following property be demolished as soon as practical:

X. MISCELLANEOUS FROM OFFICE OF BUSINESS AND FINANCE (continued)

B. Demolition of Buildings (continued)

2573 West Hardin Street  
2590 West Hardin Street  
2593 West Hardin Street

This demolition will be accomplished in the normal University manner.

Upon motion of Mr. Davis, seconded by Mr. Rairdon, the above recommendation was unanimously approved by roll call vote.

C. Purchase of Building and Property, 149 West Lane Avenue

It is recommended that the action of the Vice President, Business and Finance, which was approved in personal conversation with members of the Board, in regard to the purchase of the following property from Cecil A. and Frances M. Root at a price not to exceed \$14,500.00 be ratified:

Property known as 149 West Lane Avenue, being Lot  
No. 240, R. P. Woodruff's Agricultural College Addition,  
City of Columbus, County of Franklin, State of Ohio.

Funds are available in H. B. 1123, Item 750 Land Purchases.

Upon motion of Mr. Davis, seconded by Mr. Patton, the above recommendation was unanimously approved by roll call vote.

D. Purchase of Building and Property, 151 West Lane Avenue

It is recommended that the action of the Vice President, Business and Finance, which was approved in personal conversation with members of the Board, in regard to the purchase of the following property from Cecil A. and Frances M. Root at a price not to exceed \$15,500.00 be ratified:

Property known as 151 West Lane Avenue, being Lot  
No. 239, R. P. Woodruff's Agricultural College Addition,  
City of Columbus, County of Franklin, State of Ohio.

Funds are available in H. B. 1123, Item 750 Land Purchases.

Upon motion of Mr. Davis, seconded by Mr. Patton, the above recommendation was unanimously approved by roll call vote.

E. Special Policeman Commission

At the request of the Vice President, Business and Finance, it is recommended that James Richard Vickers be designated as Special Policeman pursuant to the provisions of Section 3345.04 of the Revised Code of Ohio; and that in further compliance with the provisions of said section, the Board of Trustees require Mr. Vickers, as well as any other employee of this



X. MISCELLANEOUS FROM OFFICE OF BUSINESS AND FINANCE (continued)

E. Special Policeman Commission (continued)

institution designated as Special Policeman, to take the oath of office and give bond to the State of Ohio in an amount no less than One Thousand (\$1,000.00) Dollars, prior to assuming the duties of Special Policeman.

Upon motion of Mr. Rairdon, seconded by Mr. Allyn, the above recommendation was unanimously approved by roll call vote.

F. Special Policeman Commission

At the request of the Vice President, Business and Finance, it is recommended that Joe S. Webb be designated as Special Policeman pursuant to the provisions of Section 3345.04 of the Revised Code of Ohio; and that in further compliance with the provisions of said section, the Board of Trustees require Mr. Webb, as well as any other employee of this institution designated as Special Policeman, to take the oath of office and give bond to the State of Ohio in an amount no less than One Thousand (\$1,000.00) Dollars, prior to assuming the duties of Special Policeman.

Upon motion of Mr. Loop, seconded by Mr. Patton, the above recommendation was unanimously approved by roll call vote.

G. Purchase of Buildings and Property, 158 and 162 West Frambes Avenue

It is recommended that the Vice President, Business and Finance, be authorized to proceed with the purchase of the following properties from Minnie L. Young at a price of \$31,000.00:

Properties known as 158 and 162 West Frambes Avenue,  
being Lots No. 181 and 182, R. P. Woodruff's Agricultural  
College Addition, City of Columbus, County of Franklin,  
State of Ohio.

Funds are available in Item 750 Land Purchases, H. B. 1123.

Upon motion of Mr. Allyn, seconded by Mr. Rairdon, the above recommendation was unanimously approved by roll call vote.

H. Purchase of Buildings and Property, 168-172 West Frambes Avenue

It is recommended that the Vice President, Business and Finance, be authorized to proceed with the purchase of the following property from Lee N. and Vina L. Hamilton at a price of \$30,650.00:

X. MISCELLANEOUS FROM OFFICE OF BUSINESS AND FINANCE (continued)

H. Purchase of Buildings and Property, 168-172 West Frambes Avenue (continued)

Property known as 168-172 West Frambes Avenue, being Lots No. 183 and 184, R. P. Woodruff's Agricultural College Addition, City of Columbus, County of Franklin, State of Ohio.

Funds are available in Item 750 Land Purchases, H. B. 1123.

Upon motion of Mr. Allyn, seconded by Mr. Rairdon, the above recommendation was unanimously approved by roll call vote.

I. Acquisition of Property at 150 West Frambes Avenue

President Fawcett presented the following resolution for consideration by the Board of Trustees:

WHEREAS, The Ohio State University has acquired certain parcels of property located north of Frambes Avenue and to this extent has extended its northerly boundary north to Lane Avenue; and

WHEREAS, the University, in planning to meet a portion of the needs of its students and its program from the standpoint of dormitory, educational, research, and service facilities, will be required to acquire most, or all of the land lying north of Woodruff Avenue extending along High Street to the east, Lane Avenue to the north, Tuttle Place to the west and Woodruff Avenue to the south; and

WHEREAS, the University has an approved development plan for this area in which a twelve story dormitory site has been established; and

WHEREAS, Section 3345.07 Ohio Revised Code provides for the construction and operation of dormitories for students and faculty, including acquisition of sites, by the Board of Trustees of The Ohio State University; and

WHEREAS, the University Architect is completing detailed construction drawings and specifications; and

WHEREAS, the Trustees of The Ohio State University deem that suitable new dormitory facilities are mandatory in meeting the needs of the University and serving the people of the State of Ohio; and, therefore, find it necessary to proceed with the acquisition of real property therefor; and

WHEREAS, said Board of Trustees acting through the Office of Business and Finance of the University has been unable to negotiate for the purchase of said real estate hereinafter set forth;

NOW BE IT RESOLVED, that pursuant to his statutory authority the Director of Public Works for and on behalf of said Board of Trustees be requested to take steps to acquire by condemnation, for the State of Ohio and said University, the following described real estate located in the City of Columbus, County of Franklin, and State of Ohio:

X. MISCELLANEOUS FROM OFFICE OF BUSINESS AND FINANCE (continued)

I. Acquisition of Property at 150 West Frambes Avenue (continued)

Lot #179 of R. P. Woodruff's Agricultural College Addition, Columbus, Franklin County, Ohio, and commonly known as 150 West Frambes Avenue. Title to this property according to Franklin County records, is vested in C. Russell Thompson.

Upon motion of Mr. Davis, seconded by Mr. Rairdon, the above resolution was unanimously approved by roll call vote.

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XI. RESOLUTIONS IN MEMORIAM

President Fawcett reported to the Board the deaths of William Baldwin Jencks, Professor of Accounting, and Wells Halderman Teachnor, Clinical Assistant Professor of Surgery, and in accordance with the instructions of the Board of Trustees copies of the following resolutions expressing on behalf of the University the sorrow and sympathy of the Board have been furnished the families of the deceased.

A. William Baldwin Jencks

The Board of Trustees expresses its sorrow at the death on December 7, 1962 of William Baldwin Jencks, Professor of Accounting.

Professor Jencks was born in Ottawa, Illinois, November 21, 1909. He received his A.B. degree in Romance Languages from Knox College in 1932 and his M.A. degree from the State University of Iowa in 1935. He qualified as a Certified Public Accountant in New York in 1941 and in Ohio in 1943.

Professor Jencks' professional career included, interdependently, the fields of education and business. He began his teaching at Buena Vista College as an Instructor in Commerce, 1935-36, and at The Ohio State University as an Assistant in Accounting, 1936-38. From 1938-42 he was a staff accountant with Scovell, Wellington & Co., Certified Public Accountants, in New York City. In 1942 Professor Jencks returned to The Ohio State University as an Instructor. He became an Assistant Professor in 1946, Associate Professor in 1947, and was raised to the rank of Professor in 1957. Throughout his years at the University, he improved his competency as a professional accountant by his membership and participation in professional accounting organizations and consulting activities. His breadth of viewpoint as a teacher contributed much to the professional societies of which he was a member. The knowledge and experience he obtained by such memberships earned for him respect and stature as a teacher.

Professor Jencks was a member of the Ohio Society of Certified Public Accountants. He served as Treasurer, Vice President, and President of the Columbus Chapter. He was a Director of the State Society from 1955-57

XI. RESOLUTIONS IN MEMORIAM (continued)

A. William Baldwin Jencks (continued)

and editor of its "The Ohio Certified Public Accountant" from 1947-52. He was a member of Beta Alpha Psi, national accounting professional and scholastic honorary fraternity, serving as faculty adviser to the University chapter for a number of years and then as Secretary-Treasurer and, in 1957, as President of the national fraternity. He served on local, state, and national committees of the National Association of Accountants, the American Accounting Association, and the Institute of Internal Auditors. He was a member of the American Institute of Certified Public Accountants from 1941 and in the two years, 1960-62, served as a member of its Committee on Auditing Procedure. This Committee, during his tenure, developed and drafted for distribution to all members of the accounting profession a series of reports which significantly influence the practices followed by all independent certified public accountants. Professor Jencks was also a member of Beta Gamma Sigma, business honorary; the Order of Artus, economics; and of Phi Sigma Kappa.

Professor Jencks was co-author of Ohio CPA Problems and Solutions and of Audit Working Papers. The latter, published in 1953, was a pioneer work in the field and gained acceptance in staff training programs by national public accounting firms. He was the author of a textbook, Auditing Principles, published in 1959 and only recently completed the draft of a new textbook to be published.

Throughout his career as a teacher and an accountant, Professor Jencks provided for his students and his colleagues an outstanding example of high moral and ethical standards of professional competency.

On behalf of the entire University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It is directed that this resolution be inscribed upon the minutes of the Board of Trustees.

B. Wells Halderman Teachnor

The Board of Trustees expresses its sorrow at the death on December 24, 1962 of Dr. Wells Halderman Teachnor, Clinical Assistant Professor of Surgery.

Dr. Teachnor was born in Sciotoville, Ohio, on September 26, 1894, the son of a prominent Ohio physician, Dr. Wells H. Teachnor, Senior. Following his graduation from The Ohio State University in 1919, he interned at Mt. Carmel Hospital from 1919-1920 and was a resident surgeon at this hospital from 1921-1923. He was honored by being selected by the late Dr. Charles S. Hamilton as his protege and associate. His heavy responsibilities at Mt. Carmel Hospital included Chief of the Surgical Service and member of both the Lay Board of Trustees and the Medical Advisory Board of that hospital for a period of 29 years. He maintained a keen interest in the activities of Mt. Carmel, despite his retirement as Active Chief of the Surgical Service on July 1, 1961.

XI. RESOLUTIONS IN MEMORIAM (continued)

B. Wells Halderman Teachnor (continued)

Dr. Teachnor was a truly gifted diagnostician and technical surgeon. In his easy way he could rapidly ferret out the non-essentials and arrive at the correct diagnosis. Throughout the years he stood for the best traditions in American surgery and was always willing to lend his time and support to his profession, Hospital, and University. More recently he was active as the designated chairman of a committee concerned with a large bequest of one of his former patients to the College of Medicine of The Ohio State University.

Dr. Teachnor was a member of the American College of Surgeons, the American Medical Association, Ohio State Medical Association, Columbus Surgical Society, Ohio State Surgical Society, Columbus and Franklin County Academy of Medicine, and Fellow of the International College of Surgeons.

This man was not only humble and gifted but also loved by his patients and highly regarded by his contemporaries and co-workers. Dr. Teachnor was truly a "lighthouse" showing the way during a period of troubled medical times. Such stalwarts are infrequent and most difficult to replace.

On behalf of the entire University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It is directed that this resolution be inscribed upon the minutes of the Board of Trustees.

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XII. REPORTS

A. Reports from the Finance and Investment Committee

1. Report Concerning the Resolution Approving a Supplemental Certificate Relative to the Sale and Issuance of Series F, G, and H Dormitory Revenue Bonds

Mr. Patton, Chairman of the Finance and Investment Committee, presented the following Resolution:

RESOLVED, that the certificate of the President and Vice President, Business and Finance, attached hereto and marked Exhibit A, relating to the issuance of the Dormitory Revenue Bonds, Series F, G, and H, is hereby approved.

Upon motion of Mr. Patton, seconded by Mr. Davis, the above Resolution was unanimously adopted by roll call vote.

XII. REPORTS (continued)

A. Reports from the Finance and Investment Committee (continued)

1. Report Concerning the Resolution Approving a Supplemental Certificate Relative to the Sale and Issuance of Series F, G, and H Dormitory Revenue Bonds (continued)

EXHIBIT A

CERTIFICATE

The undersigned, President and Vice President, Business and Finance, respectively, in connection with the issuance of the Dormitory Revenue Bonds, Series F, G, and H, hereby certify that all statements and certifications contained (a) in the Certificate as to Earnings pursuant to Section 6 (b) of the Bond Resolution and Section 2.03 of the Trust Agreement, except with respect to Schedule 1 thereof, dated May 18, 1962 and approved by the Board of Trustees on that date, (b) in the Certificate pursuant to Section 2.03 (4) of the Trust Agreement for Series E, F, G, and H Bonds dated May 18, 1962 approved by the Board of Trustees on that date, and (c) in the Certificate as to Earnings dated July 13, 1962 and approved by the Board of Trustees on that date, are true and correct as of the date of this certificate, except the maximum amount to become due in any succeeding fiscal year for principal and interest on the Series A, B, C, D, E, F, G, and H Bonds, namely in 1990, as shown in the Certificate as to Earnings dated July 13, 1962, is \$1,304,328.00 and the ratio of total net income to the maximum principal and interest requirements on those Bonds is 1.40.

Dated: February 15, 1963.

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President

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Vice President,  
Business and Finance

2. Report Concerning Request to Federal Aviation Agency for Federal Aid for the University Airport (Don Scott Field)

Mr. Patton, Chairman of the Finance and Investment Committee, presented the following statement and resolution:

On November 19, 1962, the University applied for a grant from the Federal Aviation Agency for assistance in improving the University Airport (Don Scott Field). The request was for \$134,382.00 to match money already spent for land acquisition and appropriated for runway extension. If the grant can be obtained, runway length will be 5,000 feet instead of the 3,600 feet presently planned, and all taxiways and lighting extensions will be complete.

XII. REPORTS (continued)

A. Reports from the Finance and Investment Committee (continued)

2. Report Concerning Request to Federal Aviation Agency for  
Federal Aid for the University Airport (Don Scott Field) (continued)

In order to qualify for the grant, the FAA must be assured by resolution of the continued interest of the Board in the University Airport and that the Board regards it as a permanent part of the University's program.

WHEREAS The Ohio State University has as a leading objective the provision of instruction in the Agricultural and Mechanic Arts; and

WHEREAS its Board of Trustees established The Ohio State University Airport in 1943 and the School of Aviation in 1945 pursuant to that objective: Therefore be it

RESOLVED that the continued operation of The Ohio State University Airport for purposes of teaching, research and public service contributes materially to the achievement of the University's leading objective, and that the Board intends The Ohio State University Airport to remain as a permanent part of the University's facilities and operations.

Upon motion of Mr. Patton, seconded by Mr. Loop, the above report and resolution were unanimously adopted by roll call vote.

3. Reports on the Investment Portfolio

The reports on the University's Investment Portfolio dated December 31, 1962 and January 31, 1963 were presented to the Board of Trustees. The Secretary was instructed to file a copy of the reports with the official records of the Board of Trustees.

B. Report from the Retirement and Insurance Committee

1. Insurance for Specified University Buildings

Mr. Rairdon, Chairman of the Retirement and Insurance Committee, presented the following report:

In accordance with the actions of the Board on September 4, 1956 and November 8, 1957, pertaining to competitive bidding on insurance, bids were invited on January 31, 1963, for Fire and Extended coverage on 18 specified University buildings. In each case bids on alternative specifications were invited, with the University reserving the right to select the alternative which, in its judgment, provided the best coverage commensurate with the cost involved.

Bids received from 11 firms were opened and tabulated at 2:00 p.m. EST, Thursday, January 31, 1963. These bids have now been carefully analyzed and it is the recommendation of the Committee on Retirement

XII. REPORTS (continued)

B. Report from the Retirement and Insurance Committee (continued)

1. Insurance for Specified University Buildings (continued)

and Insurance that the coverage be awarded to Blackstone Mutual Insurance Company with a gross deposit premium basis of \$53,049.25 subject to an estimated dividend of \$21,219.70 resulting in the low net bid of \$31,829.55 for five years coverage. This bid provides blanket coverage of \$20,547,900.00 on buildings and contents including 100% Sprinkler Leakage without co-insurance. Bids on this coverage ranged from \$31,829.55 to \$50,440.72.

The buildings included under this policy are as follows:

Mershon Auditorium	30 West 15th Avenue
Mens' Residence Dining Hall	113 West 12th Avenue
Park Hall	110 West 11th Avenue
Smith Hall	92 West 11th Avenue
Stradley Hall	138 West 11th Avenue
West Addition to Baker	129 West 12th Avenue
Steeb Hall	70 West 11th Avenue
Siebert Hall	184 West 11th Avenue
Morrison Tower	196 West 11th Avenue
French Field House and St. John Arena	460 West Woodruff Avenue
Ice Rink	390 West Woodruff Avenue
Ohio Union	1739 North High Street
Outside TV Equipment	
G. W. Knight House	104 East 15th Avenue
Tweedale House	87 East 12th Avenue
Hess House	2637 Olentangy Boulevard
Alumnae Scholarship House	201 East 16th Avenue
Alumnae Scholarship House	195 East 16th Avenue

Total blanket buildings and contents coverage \$20,547,900.00

It was moved by Mr. Rairdon that the Vice President, Business and Finance, award the insurance to the Blackstone Mutual Insurance Company with the gross deposit premium to be accumulated and paid from the proper account for each of the buildings covered.

The motion was seconded by Mr. Allyn and upon roll call vote was unanimously approved.

C. Report on Highlights of Campus Activities

In concluding the meeting, President Fawcett reviewed some of the highlights of campus activities during the past two months as compiled by the Executive Director, Office of University Relations.

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February 15, 1963 meeting, Board of Trustees

Thereupon the Board adjourned to meet Thursday, March 14, 1963, at the University at ten o'clock.

Attest:

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John T. Mount  
Secretary

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Forrest G. Ketner  
Chairman

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THE OHIO STATE UNIVERSITY  
OFFICIAL PROCEEDINGS OF THE  
NINE HUNDRED AND SEVENTY-EIGHTH MEETING  
OF THE BOARD OF TRUSTEES

Columbus, Ohio, March 14, 1963

The Board of Trustees met at its regular monthly meeting on Thursday, March 14, 1963, at The Ohio State University, Columbus, Ohio, pursuant to adjournment.

Present: Forrest G. Ketner, Chairman, Alan B. Loop, Stanley C. Allyn, and John W. Bricker.

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The minutes of the last meeting were approved.

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President Fawcett presented the following recommendations:

I. GENERAL RECOMMENDATIONS

A. Revision of Rule 29.2709 and Rule 53.0701--  
Rules for the University Faculty

The Faculty Council on February 12, 1963, upon the recommendation of the Council on Student Affairs, approved the following changes in Rule 29.2709 and Rule 53.0701 of Rules for the University Faculty.

It is recommended that Section 1 of Rule 29.2709 relating to the membership of the Council on Student Affairs be revised to read as follows and be referred to the Executive Dean of Student Relations for implementation at the earliest feasible date after consultation with the Council on Student Affairs.

29.2709. Council on Student Affairs.

Section 1. The Council on Student Affairs shall consist of 12 members as follows:

a. Six students to be selected as follows:

- (1) The President of the Student Senate (see Rule 53.0701).
- (2) The President of the Women's Self Government Association (see Rule 53.0703).
- (3) Two students appointed by the President of the University from nominations (no less than four in number) of students with at least junior standing, such nominations to be made by the Student Senate in the manner prescribed by the Student Senate.
- (4) One student to be appointed by the President of the University from nominations (no less than two in number) of students registered in the Graduate School, such nominations to be made by the Council of Graduate Students in the manner prescribed by the Council of Graduate Students, and
- (5) One student to be appointed by the President of the University from nominations to be made by the recognized student government organizations of the Colleges of Dentistry, Law, Medicine, Pharmacy, and Veterinary Medicine (each organization submitting one nomination of a student registered in the College whose students are represented by the nominator), such nominations to be made in the manner prescribed by the organization making the nomination.

I. GENERAL RECOMMENDATIONS (continued)

A. Revision of Rule 29, 2709 and Rule 53, 0701--  
Rules for the University Faculty (continued)

The four students appointed by the President of the University shall be appointed for a one-year term but shall be eligible for reappointment.

- b. Three members of the University Faculty appointed by the President of the University for three-year terms, one to be appointed each year.
- c. The Executive Dean, Student Relations.
- d. The Dean of Men.
- e. The Dean of Women.

- o -

It is further recommended that Rule 53, 0701 concerning the Student Senate be revised to read as follows and to become effective immediately.

53, 0701. Student Senate.

Section 1. The Student Senate shall be the Student Government Association representing the students registered in the University units set forth in Section 2 of this Rule.

Section 2. The members of the Student Senate shall be elected from and by students registered in the Colleges of Agriculture and Home Economics, Arts and Sciences, Commerce and Administration, Education, and Engineering, and students registered in the School of Nursing, in the Division of Dental Hygiene, and in the curriculum in Medical Dietetics. These members shall be elected in such number and under such procedures as are determined by the constitution and by-laws of the Student Senate. The Student Senate shall also have such additional membership as is determined by the constitution and by-laws of the Student Senate.

Section 3. The officers of the Student Senate shall include the President, Secretary, and such additional officers as are provided for in the constitution of the Student Senate. The Senate President shall also serve as President of the student body which is represented by the Student Senate. The Dean of Men and the Dean of Women shall be joint advisers of the Student Senate.

Section 4. The Student Senate shall be the recognized forum of student opinion concerning those matters of University policy and procedure which affect the students represented by the Student

I. GENERAL RECOMMENDATIONS (continued)

A. Revision of Rule 29.2709 and Rule 53.0701--  
Rules for the University Faculty (continued)

Senate. It shall express its opinions and make recommendations for legislative or administrative action through the Council on Student Affairs. (See Rule 29.2709.)

Section 5. The Student Senate shall be empowered to:

- a. Conduct and regulate student elections and student fund drives;
- b. Maintain campus traditions;
- c. Nominate or appoint all student members to University boards, councils, and committees with student membership, unless otherwise specified;
- d. Recommend the recognition or the withdrawal of recognition of student organizations; and
- e. Establish and administer a Student Court system with jurisdiction delegated to it by the Faculty Council, the Council on Student Affairs, the Student Senate and Executive Dean, Student Relations.

The powers of the Student Senate may be delegated by it to any group or Committee of the Senate.

It is therefore recommended that the above Rules as amended by action of the Faculty Council be adopted.

Upon motion of Mr. Allyn, seconded by Mr. Bricker, the Board of Trustees by unanimous roll call vote approved the above recommendation, and the Secretary was authorized to revise Rule 29.2709 and 53.0701 of the Rules for the University Faculty accordingly.

B. Revision of Rules 25.07 through 25.13 and Rule 29.15--  
Rules for the University Faculty

At its regular meeting on June 5, 1962 the Faculty Council requested the Faculty Committee on Rules to study and make recommendations for changes in those Rules for the University Faculty which define a member of the University Faculty--in particular those sections involving faculty action. On February 12, 1963 the Faculty Council approved the following recommendations of the Committee on Rules:

1. That Rules 25.07 and 25.09 be deleted and the following three Rules substituted in place thereof:



I. GENERAL RECOMMENDATIONS (continued)

B. Revision of Rule 25.07 through 25.13 and Rule 29.15--  
Rules for the University Faculty (continued)

25.07. Meetings.

A regular meeting of the University Faculty shall be held during each of the Fall, Winter, and Spring Quarters. Special meetings shall be held on call of the President, either on his own motion or on request (a) of the Faculty Council or (b) of the University Faculty. The request of the Faculty Council shall be by action taken at any meeting of the Faculty Council. The request of the University Faculty shall be by petition signed by members of the University Faculty (see Rule 25.01) in a number equal at least to ten per cent of the total membership of the University Faculty. The President shall have a reasonable time to call the meeting after receiving the request.

For the purpose of Rules 25.07 and 25.09, the total membership of the University Faculty shall be determined as of the October 1 preceding the date on which the petition is filed.

25.09. Quorum.

Thirty per cent of the total membership of the University Faculty (see Rule 25.01) shall constitute a quorum for the transaction of business.

25.11. Vote.

Only members of the University Faculty (see Rule 25.01) shall be eligible to vote at a meeting of the University Faculty.

2. That the present Rule 25.11 (Order of Business) be renumbered as Rule 25.13.
3. That the last paragraph of Rule 29.15 be amended to read as follows:

Summaries of the actions of the Faculty Council shall be published or otherwise made available to members of the University Faculty. All actions of the Council for which approval by the Board of Trustees is not required shall become effective immediately, but may be made the subject of appeal to the University Faculty for review under the procedures of Chapter 25.00 of these Rules. In the event that the approval of the Board of Trustees is required, the action of the Faculty Council or of the University Faculty shall not be effective until such action is taken by the Board of Trustees.

I. GENERAL RECOMMENDATIONS (continued)

B. Revision of Rule 25.07 through 25.13 and Rule 29.15--  
Rules for the University Faculty (continued)

It is therefore recommended that the above Rules as amended by action of the Faculty Council be adopted.

Upon motion of Mr. Bricker, seconded by Mr. Allyn, the Board of Trustees by unanimous roll call vote approved the above recommendations, and the Secretary was authorized to revise Rules 25.07 through 25.13 and Rule 29.15 of Rules for the University Faculty accordingly.

C. Degrees Conferred - 1963 Winter Quarter Commencement Convocation

It is recommended that degrees be conferred at the Winter Quarter Convocation on March 15, 1963, to those students who have completed the requirements for their respective degrees and have been approved by the Faculty Council. The names of those awarded degrees will be included in the minutes of this meeting. (See Appendix IV, page 311.)

Upon motion of Mr. Loop, seconded by Mr. Allyn, the above recommendation was unanimously approved by roll call vote.

D. Schedule for Football Ticket Prices for the 1963 Season

Upon the recommendation of the Athletic Council and with the concurrence of the Vice President, Business and Finance, it is proposed that the following schedule for football ticket prices be approved for the 1963 season.

	<u>Individual Games</u>	<u>Season Books</u>
Bleacher Seats	\$3.00	\$15.00
Reserved Seats	5.00	25.00
Box Seats	6.00	30.00
Student Activity Cards		12.00
Faculty-Staff Cards		14.00

The above schedule of ticket prices represents a 50 cent increase per game in the price of all box and stadium reserved seat tickets and is comparable to the football ticket prices for seven of the other nine Western Conference universities. There will be no increase in bleacher, student, and faculty-staff football tickets for 1963.

Mr. Loop stated "In view of the fact that the recommendation does not call for an increase in price for student and faculty-staff tickets I move that the recommendation be approved." Mr. Allyn seconded the motion and it was approved unanimously by a roll call vote.

I. GENERAL RECOMMENDATIONS (continued)

E. Loan of First Teaching Machine to the Smithsonian Institution, Washington, D. C.

The Smithsonian Institution through its Secretary, Mr. Leonard Carmichael, has expressed a desire to add to its collection the first teaching machine created by Dr. Sidney L. Pressey, Professor Emeritus, and constructed in The Ohio State University Department of Psychology in 1925. This instrument is recognized as the first in its field.

Dean Donald P. Cottrell of the College of Education and Dr. Robert Wherry of the Department of Psychology have proposed that the University take advantage of this opportunity to have this instrument included among the exhibits of the Smithsonian Institution since it would add greatly to the prestige of The Ohio State University and would be a well-deserved recognition of Dr. Pressey's significant contribution in the field of education.

It is therefore recommended that the Board of Trustees authorize the President to arrange for the loan on an indefinite basis of this first teaching machine to the Smithsonian Institution.

Upon motion of Mr. Bricker, seconded by Mr. Loop, the above recommendation was unanimously approved by roll call vote.

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II. PERSONNEL CHANGES

It is recommended that all personnel changes since the February 15, 1963 meeting of this Board, as recorded in the official "Salary Roll" of the University be approved by the Board. These changes include the following Appointments, Leaves of Absence With Salary, Leaves of Absence Without Salary, and Emeritus Titles:

A. Appointments

Edgar S. Furniss, Jr., Mershon Professor, Department of Political Science, and Director Social Science Division - Mershon Center for Education in National Security, effective October 1, 1963, at a salary of \$17,268.00 per annum.

Henry J. Barre, Professor, Department of Agricultural Engineering, effective April 1, 1963, at a salary of \$9,672.00 per annum on a part-time basis (69%). Dr. Barre will be jointly employed with the Ohio Agricultural Experiment Station at a salary of \$4,296.00 per annum.

Stefan Drobot, Professor, Department of Mathematics, effective October 1, 1963, at a salary of \$20,268.00 per annum.

March 14, 1963 meeting, Board of Trustees

## II. PERSONNEL CHANGES (continued)

### A. Appointments (continued)

Ranko Bojanic, Associate Professor, Department of Mathematics, effective October 1, 1963, at a salary of \$12,768.00 per annum.

Glenn C. Ellison, Freshman Football Coach, Department of Athletics, effective March 15, 1963, at a salary of \$10,668.00 per annum.

### B. Leaves of Absence With Salary

In accordance with the policy approved by the Board of Trustees on April 12, 1954, the following-named persons are recommended for Leaves of Absence With Salary from the Agricultural Extension Service for the period indicated:

Lucile Pepoon, Associate Professor (Extension Specialist, Family Life), April 1, 1963 through June 15, 1963, to study at The Ohio State University.

Alfred J. Baxter, Instructor (County Extension Agent, Agriculture) Clinton County, April 1, 1963 through June 15, 1963, to study at The Ohio State University.

Walter G. Harter, Instructor (County Extension Agent, Agriculture) Ashland County, April 1, 1963 through June 15, 1963, to study at The Ohio State University.

David D. Jenkins, Instructor (County Extension Agent, 4-H) Fairfield County, April 1, 1963 through July 31, 1963, to study at The Ohio State University.

The following revisions in the November 16, 1962 minutes of the Board of Trustees are made in accordance with the provisions of Ohio Revised Code Section 5923.05 relating to military leave of absence:

William W. Van Alstyne, Associate Professor, College of Law, effective November 11, 1962 through November 28, 1962, changed to leave of absence with salary.

Martin Y. Andres, Assistant Professor, Veterinary Anatomy, effective November 12, 1962 through December 9, 1962, changed to leave of absence with salary.

### C. Leaves of Absence Without Salary

LeVelle Wood, Professor, School of Home Economics, April 1, 1963 through April 30, 1963, to attend a professional meeting in Europe.

## II. PERSONNEL CHANGES (continued)

### C. Leaves of Absence Without Salary (continued)

William L. Boyd, Assistant Professor, Microbiology, April 1, 1963 through September 30, 1963, to complete field studies initiated at Point Barrow during 1962.

Karl V. Clemons, Instructor (Area Extension Agent, Farm and Home Development) Defiance, Fulton, Henry, Paulding, and Williams Counties, Agricultural Extension Service, April 1, 1963 through April 30, 1963, to study at The Ohio State University.

Lucy V. Fogg, Instructor (County Extension Agent, Home Economics) Greene County, Agricultural Extension Service, April 1, 1963 through June 15, 1963, to study at The Ohio State University.

Charles H. Ingraham, Instructor (Extension Specialist, Livestock Marketing), Agricultural Extension Service, April 1, 1963 through June 15, 1963, to study at The Ohio State University.

### D. Emeritus Titles

David F. Miller, Zoology and Entomology, with the title Professor Emeritus, effective April 1, 1963.

William E. Utterback, Speech, with the title Professor Emeritus, effective September 1, 1963.

Upon motion of Mr. Bricker, seconded by Mr. Loop, the Appointments, Leaves of Absence With Salary, Leaves of Absence Without Salary, Emeritus Titles, and the personnel changes recorded in the official "Salary Roll" of the University were unanimously approved by roll call vote, and the Secretary was instructed to file these changes in the "Salary Roll" with the official documents of the University.

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## III. GENERAL CONTRACTS AND AGREEMENTS

### A. The Ohio State University and The Ohio State University Research Foundation

In accordance with the Memorandum of Agreement between The Ohio State University and The Ohio State University Research Foundation approved by this Board on September 5, 1950, it is recommended that the research agreements for the following projects administered through the Research Foundation be approved and recorded in the minutes of this meeting.

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

1. Government Contracts - Federal

- a. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Deoxyribonucleoside and Related Carcinolytes (to be known as National Institutes of Health Project No. 759 - Ext. #6 - Department of Chemistry).  
Gross Value - \$56,206.00.
- b. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Synthesis of Steroidal Alpha-diazoketones (to be known as National Institutes of Health Project No. 906 - Ext. #4 - Department of Chemistry).  
Gross Value - \$20,270.00.
- c. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Constancy of Mandibular Rest Position (to be known as National Institutes of Health Project No. 907 - Ext. #4 - College of Dentistry).  
Gross Value - \$9,541.00.
- d. Headquarters, Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, for a Study of Electromagnetic Window Dielectric Techniques (to be known as Aeronautical Systems Division Project No. 1180 - Sup. #8 - Department of Electrical Engineering).  
Gross Value - \$40,000.00.
- e. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Control of Pituitary ACTH Secretion (to be known as National Institutes of Health Project No. 1272 - Ext. #2 - Department of Physiological Chemistry and Pharmacology).  
Gross Value - \$12,000.00.
- f. Federal Aviation Agency, 16th and Constitution Avenue, Washington 25, D. C., for Lexicon of English/Non-English ATC Words and Phraseology (to be known as Federal Aviation Agency Project No. 1339 - Amend. #2 - Department of Speech).  
Gross Value - \$12,000.00.

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

- g. National Aeronautics and Space Administration, Washington 25, D. C., for Theoretical and Experimental Analysis of the Electro-magnetic Scattering and Radiative Properties of Terrain, with Emphasis on Lunar-like Surfaces (to be known as National Aeronautics and Space Administration Project No. 1388 - Sup. #1 - Department of Electrical Engineering).  
Gross Value - \$100,000.00.
- h. The Boeing Company, Aero-Space Division, Seattle 24, Washington, for X-20 (Dyna-Soar) Program, Heat Transfer Test - Appendix A (to be known as The Boeing Company, Aero-Space Division Project No. 1461 - C. O. #3 - Department of Aeronautical and Astronautical Engineering).  
Gross Value - \$1,156.00.
- i. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Methods of Image Intensification Applied to Radiology (to be known as National Institutes of Health Project No. 1462 - Ext. #1 - College of Dentistry and Department of Physics).  
Gross Value - \$19,864.00.
- j. Air Force Institute of Technology, Air University, United States Air Force, Wright-Patterson Air Force Base, Ohio, for Research and Services in the Development of the LOGEX Function (to be known as Air Force Institute of Technology Project No. 1498 - Sup. #1 - Defense Management Center).  
Gross Value - \$15,702.00.
- k. Headquarters, Electronic Systems Division, AFSC, Laurence G. Hanscom Field, Bedford, Massachusetts, Perform Research on the Spectroscopy of the Far Infrared Region (to be known as Electronic Systems Division Project No. 1577 - New - Department of Physics).  
Gross Value - \$25,000.00.
- l. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for A Study of Generalized Reinforcement (to be known as National Institutes of Health Project No. 1583 - New - Department of Psychology).  
Gross Value - \$10,767.00.
- m. U. S. Atomic Energy Commission, Chicago Operations Office, 9800 South Cass Avenue, Argonne, Illinois, for Support of K-Meson Experiments at the ZGS (to be known as U. S. Atomic Energy Commission Project No. 1596 - New - Department of Physics).  
Gross Value - \$50,000.00.

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

- n. Headquarters, Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, for Measurement of Stagnation Point Heat Transfer in High Enthalpy Gas Flows (to be known as Aeronautical Systems Division Project No. 1598 - New - Department of Aeronautical and Astronautical Engineering).  
Gross Value - \$36,810.00.
- o. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for An Objective Evaluation of the Spreading Enzymes (to be known as National Institutes of Health Project No. 1599 - New - Department of Surgery).  
Gross Value - \$22,108.00.
- p. Air Force Institute of Technology, Air University, United States Air Force, Wright-Patterson Air Force Base, Ohio, for Teaching Services for Air Force Military Personnel at Ellsworth Air Force Base, South Dakota (to be known as Air Force Institute of Technology Project No. 1600 - New - Defense Management Center).  
Gross Value - \$45,000.00.
- q. Headquarters, Air Force Systems Command, Andrews Air Force Base, Washington 25, D. C., for Research Study on Utilization and Progression Patterns for Air Force Scientists and Engineers (to be known as Air Force Systems Command Project No. 1601 - New - Defense Management Center).  
Gross Value - \$43,317.00.
- r. Department of Health, Education and Welfare, Office of Education, Washington 25, D. C., for An Audio-Visual Test for Evaluating the Ability to Recognize Phonetic Errors (to be known as Office of Education Project No. 1602 - New - Department of Speech).  
Gross Value - \$10,330.00.
- s. Department of Health, Education and Welfare, Office of Education, Washington 25, D. C., for The Instrumentation for Examining Staff Conflicts in the Public Schools (to be known as Office of Education Project No. 1604 - New - Department of Sociology and Anthropology).  
Gross Value - \$19,993.00.
- t. National Science Foundation, Washington 25, D. C., for an Investigation of Chronology of Late Glacial Movements, Patagonia Ice Field (to be known as National Science Foundation Project No. 1605 - New - Institute of Polar Studies).  
Gross Value - \$16,900.00.



III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

- u. Headquarters, Air Force Office of Scientific Research, Office of Aerospace Research, Washington 25, D. C., for an Investigation of Molecular Structure of Carbanions and the Kinetics of Their Exchange Processes in Solution (to be known as Air Force Office of Scientific Research Project No. 1606 - New - Department of Chemistry).  
Gross Value - \$51,800.00.
- v. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for General Research Support Program (to be known as National Institutes of Health Project No. 1611 - New - College of Dentistry).  
Gross Value - \$39,342.00.

TOTAL - Government Contracts - Federal \$658,106.00

2. Industrial and Other Contracts

- a. The Petroleum Research Fund, American Chemical Society, 1155 Sixteenth St., N. W., Washington 6, D. C., for an Investigation of Tetradentate Boron Ligands (to be known as The Petroleum Research Fund Project No. 1595 - New - Department of Chemistry).  
Gross Value - \$16,700.00.
- b. Central Ohio Heart Association, 145 North High Street, Columbus 15, Ohio, for an Investigation of the Influence of Hypoxia on the Susceptibility to Cardiac Arrhythmias (to be known as Central Ohio Heart Association Project No. 1609 - New - Department of Physiological Chemistry and Pharmacology).  
Gross Value - \$5,250.00.
- c. Wyandot County Heart Association, P. O. Box 3, Upper Sandusky, Ohio, for an Investigation of Prosthetic Heart Valve (to be known as Wyandot County Heart Association Project No. 1610 - New - Department of Surgery).  
Gross Value - \$1,000.00.

TOTAL - Industrial and Other Contracts \$22,950.00

The foregoing twenty-five contracts for research in cooperation with Government, Industry and Other represent a gross income of \$681,056.00.

Upon motion of Mr. Allyn, seconded by Mr. Loop, the research agreements between The Ohio State University and The Ohio State University Research Foundation for the above contracts were unanimously approved.

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

B. The Report of the Research Contracts  
from the Engineering Experiment Station

During the period from February 2, 1963 through March 1, 1963 the Engineering Experiment Station of The Ohio State University entered into the following research contracts. These research contracts are reported to the Board of Trustees for information and record.

1. Industrial Research Contracts

- |         |  |
|---------|--|
| EES 223 | Utilization of Plating Waste Sludge, Rockwell-Standard Corporation, Newton Falls, Ohio.<br>Gross Value - \$2,040.00.   |
| EES 224 | A Study of the Economics of Ice and Snow Removal in Urban Areas, American Public Works Association, Research Foundation, Philadelphia, Pennsylvania.<br>Gross Value - \$20,400.00. |

The foregoing two contracts for research in the Engineering Experiment Station represent a gross income of \$22,440.00.

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IV. GRANTS AND GIFTS

The following grants and gifts to the University, including the establishment of certain endowment funds, are hereby reported for the record and appropriate expression of appreciation has been conveyed:

A. Administered Through the Office of Business and Finance

1. \$50,000.00 granted by the Ford Foundation to the University to supplement a grant of \$75,000.00 to be used for "Forgivable Predoctoral Loans to Future Engineering Teachers." The loan funds are to be dispersed through the Office of Student Financial Aids and Scholarships, upon the recommendation of the Dean of the College of Engineering and the Dean of the Graduate School.
2. \$29,620.00 granted by the National Science Foundation to the University for the support of "An Advanced Science Seminar in High Speed Aero and Gasdynamics," under the direction of Dr. John D. Lee, Department of Aeronautical and Astronautical Engineering. This grant terminates on or about November 30, 1963. (GE-1723)
3. \$10,000.00 granted by the U. S. Department of Health, Education and Welfare, Vocational Rehabilitation Administration, to the University for support in conducting "A Short-Term Training Program on Oral Linguistic Deficiencies in Handicapped Adults," under the direction of Dr. Bernard B. Schlanger, Department of Speech, for the period March 15, 1963 through August 31, 1963. (Grant VRA 63-78)

TOTAL - Through the Office of Business and Finance - \$89,620.00

IV. GRANTS AND GIFTS (continued)

B. Received Through the Development Fund

1. \$134,903.04 from the Estate of Helen L. Baxter, deceased, to be added to the LeCrone-Baxter Memorial Fund.

This is the final settlement from said Estate, the total received by the University being \$459,056.33.

2. \$30,279.50 from the Wolfe Family of Columbus, Ohio, in memory of Richard Stanton Wolfe (B.S. 1930) to be used for the purchase of four TV cameras for the College of Medicine Audio-Visual Teaching Program in the University Hospital.
3. \$5,180.40 from Jean Hamilton MacNevin and many friends for the establishment of the William Marshall MacNevin Memorial Fund.

William Marshall MacNevin Memorial Fund

The William Marshall MacNevin Memorial Fund was established February 23, 1963 by gifts through the Development Fund from Jean Hamilton MacNevin (Mrs. William M.) and many friends in memory of the late William Marshall MacNevin.

The principal is to be invested according to rules and regulations adopted by the Board of Trustees of The Ohio State University, with right to invest and reinvest.

The income is to be used for awards to students enrolled in the College of Arts and Sciences with a declared major in Chemistry. The principal may be invaded for this purpose, if necessary, providing the principal shall not be reduced below \$3,000.00.

Recommendations for changes in the use of income may be made by a majority of the committee established for recommending recipients of awards.

4. \$5,000.00 from Wyeth Laboratories, Philadelphia, Pennsylvania, for research in Obstetrics and Gynecology.
5. \$5,000.00 from Public Welfare Foundation, Inc., Washington, D. C., for pediatric teaching research program.
6. \$3,500.00 from the Esso Research and Engineering Company to the University for support of graduate training and research in the Department of Chemistry.
7. \$3,500.00 from the Esso Research and Engineering Company to the University for support of graduate training and research in the Department of Chemical Engineering.

March 14, 1963 meeting, Board of Trustees

IV. GRANTS AND GIFTS (continued)

B. Received Through the Development Fund (continued)

8. \$3,000.00 from Franklin County Chapter, Arthritis and Rheumatism Foundation, for research under the direction of Dr. Charles W. Denko, Department of Medicine.
9. \$3,000.00 from Food Machinery and Chemical Corporation, New York, New York, for research in Chemistry.
10. \$2,200.00 from Dairy Industries Supply Association, Inc., Washington, D. C., for a fellowship in Dairy Technology.
11. \$2,163.66 from The Ford Foundation for "A Research Award to a Younger Scholar to Assist in the Systematic Development of New Concepts and Practices of Delinquency Prevention," under the direction of Dr. Walter Reckless, Department of Sociology and Anthropology.

TOTAL - Through the Development Fund - \$197,726.60

Upon motion of Mr. Allyn, seconded by Mr. Loop, the above report of grants and gifts, including the establishment of certain endowment funds, was accepted, and the Secretary was instructed to include the report in the minutes of this meeting.

C. Report from The Ohio State University Development Fund

In February, 1963, The Ohio State University Development Fund received gifts on behalf of the University as follows:

	<u>Number of Gifts</u>	<u>Amount</u>
Alumni	304	\$143,802.54
Individuals, Other Than Alumni	82	6,254.68
Non-Profit Organizations	18	34,489.47
Business Concerns	19	49,588.34
	<u>423</u>	<u>\$234,135.03</u>

Of these gifts, 188 totaling \$2,013.00 were undesignated and 235 totaling \$232,122.03 were designated.

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V. APPROPRIATIONS AND TRANSFER OF FUNDS

A. Appropriation to Provide Funds for Extra Orders on Capital Improvement Projects

Since the Capital Improvements Senate Bill No. 592 for the 1961-63 biennium provided no funds for extra orders to complete building projects authorized for construction, the Board of Trustees at its May 18, 1962 meeting approved the allocation of \$30,000.00 from Subaccount (f) in the University Treasurer

V. APPROPRIATIONS AND TRANSFER OF FUNDS (continued)

A. Appropriation to Provide Funds for Extra Orders  
on Capital Improvement Projects (continued)

Research Account for the purpose of providing funds to be used for extra orders and architect's fees on building projects under construction. On July 13, 1962 the Board of Trustees authorized an additional allocation in the amount of \$15,000.00 from Subaccount (f) to assist in funding the cost of extra orders for the buildings under construction.

It is now estimated that an additional amount of \$5,000.00 will be required to complete the building projects under construction, and it is therefore recommended that the Board of Trustees approve the additional allocation of this amount from Subaccount (f) in the University Treasurer Research Account for such expenses as may be necessary for the above stated purposes.

Upon motion of Mr. Loop, seconded by Mr. Allyn, the above recommendation for allocation of funds was unanimously approved by roll call vote.

B. Annual Recognition Dinner - May 13, 1963

Upon the request of the Executive Director, University Relations, and with the concurrence of the Committee on Recognitions, it is recommended that the annual Recognition Dinner for faculty and staff, sponsored by the Board of Trustees, be held on Monday, May 13, 1963, at 6:15 p.m. in the Ohio Union, and that a sum not to exceed \$2,725.00 be appropriated from Endowment 4002 for expenses.

Upon motion of Mr. Bricker, seconded by Mr. Loop, the appropriation of \$2,725.00 for the annual Recognition Dinner was unanimously approved by roll call vote.

C. Appropriations for the Development of Research Projects

At the request of the Vice President for Research, and with the concurrence of the Vice President for Business and Finance and the Cabinet, it is recommended that the following amounts be appropriated from the University Treasurer Research Subaccounts as designated, for the projects named:

\$15,000.00 for purchase of x-ray equipment required to supplement a National Science Foundation grant of \$32,000.00 for research on the structure of low temperature liquids and solids, Department of Physics	Subaccount (a)
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\$6,300.00 for the purchase of a spectrum comparator and microdensitometer for the Department of Astronomy	Subaccount (a)
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March 14, 1963 meeting, Board of Trustees

V. APPROPRIATIONS AND TRANSFER OF FUNDS (continued)

C. Appropriations for the Development of Research Projects (continued)

\$3,800.00 for the purchase of a Perkin-Elmer  
Infracord Model 237 Infrared Spectrophotometer  
and Cary Model 1411 Diffuse Reflectance  
Accessory to match a National Institutes of  
Health grant of \$4,000.00, Department of  
Chemistry Subaccount (f)

\$2,500.00 for the purchase of an Infrared  
Spectrophotometer to match a National  
Institutes of Health grant in the amount of  
\$2,500.00, Department of Chemistry Subaccount (f)

\$2,495.00 for the purchase of a Coleman  
Nitrogen Analyzer, Department of Chemistry Subaccount (a)

\$1,400.00 for the purchase of a micro-balance  
for the Department of Chemistry Subaccount (a)

Upon motion of Mr. Allyn, seconded by Mr. Bricker, the above recommendation  
for appropriation of funds was unanimously approved by roll call vote.

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VI. CONTROLLING BOARD APPROVAL

Each numbered approval shown below accomplishes the following purposes:

- 74 Authorizes the expenditure of \$165,000.00 from Account 003, S.B. 592,  
for contracts, fees, and miscellaneous expenses for the project "Addition  
to Campbell Hall."

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VII. MISCELLANEOUS FROM OFFICE OF BUSINESS AND FINANCE

A. Starling Loving Hall, Repairs to Room M-100

It is recommended that Wright, Gilfillen & Keske, Columbus, Ohio, be  
employed to provide complete architectural and engineering services for  
this project including preliminary plans, basic drawings, working draw-  
ings, specifications, estimate of cost, necessary bidding documents and  
complete supervision of construction.

The fee for this service will be calculated on a percentage basis of 10  
per cent of the contract cost or an estimated fee of \$4,685.00.

Funds will be provided from the University Hospital Rotary Fund.

Upon motion of Mr. Bricker, seconded by Mr. Loop, the above recommendation  
was unanimously approved by roll call vote.

VII. MISCELLANEOUS FROM OFFICE OF BUSINESS AND FINANCE (continued)

B. Poe Alley Right-of-Way Easement

President Fawcett presented the following resolution for consideration by the Board of Trustees:

WHEREAS, The Ohio State University has acquired certain parcels of property located north of Frambes Avenue and to this extent has extended its northerly boundary north to Lane Avenue; and

WHEREAS, the University, in planning to meet a portion of the needs of its students and its program from the standpoint of dormitory, educational, research, and service facilities, will be required to acquire most, or all of the land lying north of Woodruff Avenue extending along High Street to the east, Lane Avenue to the north, Tuttle Place to the west and Woodruff Avenue to the south; and

WHEREAS, the University has an approved development plan for this area in which a twelve-story dormitory site has been established; and

WHEREAS, Section 3345.07 Ohio Revised Code provides for the construction and operation of dormitories for students and faculty, including acquisition of sites, by the Board of Trustees of The Ohio State University; and

WHEREAS, the University Architect is completing detailed construction drawings and specifications; and

WHEREAS, the Board of Trustees of The Ohio State University deems it necessary to use a portion of Poe Alley to complete the construction site for Drackett Tower; and

WHEREAS, Poe Alley is a dedicated street of the City of Columbus, Ohio, which must be vacated;

NOW BE IT RESOLVED, that pursuant to his statutory authority, the Director of Public Works of the State of Ohio for and on behalf of said Board of Trustees be requested to have the portion of Poe Alley necessary for dormitory site vacated and to provide a reasonable alternate alley right-of-way easement for the City of Columbus.

Upon motion of Mr. Allyn, seconded by Mr. Loop, the above resolution was unanimously approved by roll call vote.

C. Repair and Resurface Stadium Parking Lots and Roadways

It is recommended that Alden E. Stilson & Associates, Columbus, Ohio, be employed to provide the following engineering services for this project:

1. Surveys as necessary to supplement those furnished by the University;
2. Preliminary studies and estimates of parking layout, landscaping, road location and drainage design for both east and west lots; and

March 14, 1963 meeting, Board of Trustees

VII. MISCELLANEOUS FROM OFFICE OF BUSINESS AND FINANCE (continued)

C. Repair and Resurface Stadium Parking Lots and Roadways (continued)

3. Grade studies for the ramp at north end of the stadium, including feasibility study of a vehicular and pedestrian tunnel under the ramp to connect the east and west lots.

The fee for this service will be \$6,500.00 and funds will be provided from the Parking Facilities Account.

Upon motion of Mr. Bricker, seconded by Mr. Loop, the above recommendation was unanimously approved by roll call vote.

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VIII. RESOLUTION IN MEMORIAM

President Fawcett reported to the Board the death of Arthur Simeon Watts, Professor Emeritus of Ceramic Engineering, and in accordance with instructions of the Board of Trustees, a copy of the following resolution expressing on behalf of the University the sorrow and sympathy of the Board has been furnished to the family of the deceased.

A. Arthur Simeon Watts

The Board of Trustees expresses its sorrow at the death on March 4, 1963 of Arthur Simeon Watts, Professor Emeritus of Ceramic Engineering.

Arthur Simeon Watts was born in Zanesville, Ohio, March 27, 1876. He received his early education in the Zanesville schools and came to The Ohio State University in 1896 as a student in Mining. He transferred as a special student in Ceramics in 1897 and left in 1898 to work for the Bell Telephone Company. In 1900 he returned to the campus as a special assistant to Edward Orton Jr. and was awarded a certificate for completing the short course in Ceramics in 1901.

Professor Watts spent the next eight years in industry gaining an insight into industrial practice particularly in the production of electrical porcelain. This early preparation led to later revolutionary developments in the electrical insulator field. He went to Germany in 1909 intending to further his education and studied at the Ceramic Fachschule in Bunzlau and the Charlottenburg Technische Hochschule in Berlin. He returned to this country in 1911 to become quarry technologist with the United States Bureau of Mines. During this period and for many years thereafter he acted as private counsel for the Westinghouse Electric Corporation.

He was appointed Associate Professor in the Department of Ceramic Engineering in 1914 and the following year assumed the post as Department Chairman, which he held until retirement in 1946. He received the Professional Degree of Ceramic Engineer in 1928. The Doctor of Science degree was conferred upon him by Alfred University in 1950 and by The Ohio State University in 1951.



VIII. RESOLUTION IN MEMORIAM (continued)

A. Arthur Simeon Watts (continued)

Dr. Watts was President of the American Ceramic Society in 1912 and held many distinguished positions in the Society, among them Dean of Fellows in 1936-37. He was made a Life Member of the Society in 1946. For many years he represented this country in the International Association for Materials Testing and the Inter-Society Color Council. He served as Trustee of the Edward Orton Jr. Ceramic Foundation and was a member of the English Ceramic Society, Sigma Xi, Tau Beta Pi, Alpha Chi Sigma, and Keramos.

Among his technical contributions were the development of high tension electrical porcelain, hot pressing of porcelain and china, wet grinding processes, preheating of combustion air, eutectic based glazes, and dental porcelain. He was essentially the founder of the high tension electrical porcelain and dental porcelain industries in America. He did the fundamental eutectic work in the zinc oxide, magnesia and baria, and alumina-silica systems. He was the author of more than one hundred technical papers and until a short time before his death was active in continuing technical studies under sponsorship of the Edward Orton Jr. Ceramic Foundation and the A. C. Spark Plug Company. He held numerous German, British, and American patents on ceramic processes.

Perhaps Arthur Simeon Watts' most significant accomplishment was the education and influence on the character of the many students who studied under him. He was held in profound respect and reverence by every alumnus of the Department.

In his passing the field of ceramics has lost one of its pioneers in education, research, and technology. His students and associates remember him as a sympathetic and inspiring friend.

On behalf of the entire University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It is directed that this resolution be inscribed upon the minutes of the Board of Trustees.

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IX. REPORTS

A. Report from the Board of Directors - The Ohio State University Development Fund

Upon the recommendation of President Fawcett, the Chairman, Mr. Ketner, presented Mr. Everett D. Reese, Chairman of the Board of Directors of The Ohio State University Development Fund, whose report to the Board is summarized as follows:

The Development Fund of The Ohio State University is widely recognized for the outstanding record achieved during its 24

IX. REPORTS (continued)

A. Report from the Board of Directors - The Ohio State University Development Fund (continued)

years of existence. It has more contributors annually than any other tax-assisted college or university in the country and more than any college or university with the exception of Harvard and Yale Universities.

While the Fund Board continually desires to broaden the base of contributors, it has, in this silver anniversary year, planned some important new dimensions which will involve the seeking of larger gifts from those interested alumni and friends who have the capacity to make benefactions of significant magnitude.

To this end the Fund Board has approved the formation of a Presidents Club, composed of those who agree to give \$10,000.00 or more at a rate of not less than \$1,000.00 per year, or \$15,000.00 or more by way of a deferred gift, such as a bequest, a life insurance program, a life income agreement or some similar arrangement. A committee composed of the following members of the Fund Board of Directors has been appointed to develop specific plans for the creation of and implementation of the Presidents Club program: Novice G. Fawcett, Gordon B. Carson, Everett D. Reese, John Paynter, and Thomas B. Meek, Sr. Development Fund staff members Kenyon S. Campbell and John B. Fullen serve as ex officio members of the committee.

Mr. Reese, on behalf of the Development Fund Board of Directors, recommended that the Board of Trustees give the Presidents Club of The Ohio State University its sanction and endorsement.

Mr. Alan B. Loop then presented the following resolution and moved that it be adopted:

BE IT RESOLVED, that the Board of Trustees hereby approve the recommendation of the Board of Directors of The Ohio State University Development Fund for the establishment of a Presidents Club of The Ohio State University, the members thereof to be donors who as individuals agree to contribute \$10,000.00 or more at a rate of not less than \$1,000.00 per year, or those who agree to make a deferred gift by way of bequest, insurance, life income agreement, or similar arrangement of \$15,000.00 or more. Further, this Board encourages the solicitation of memberships to the Presidents Club of The Ohio State University and gives the program its full and hearty support.

Mr. Loop reported that a copy of the above resolution had been sent to Messrs. Patton, Davis, and Rairdon and each of them authorized him to report for the record his enthusiastic and full support of this project. Mr. Allyn seconded the motion offered by Mr. Loop, and it was adopted unanimously by roll call vote.

IX. REPORTS (continued)

B. Request for Authority to Appropriate Property for the Dayton Area Academic Center - The Ohio State University and Miami University Combined Academic Program

Mr. S. C. Allyn as a member of the Finance and Investment Committee of the Board of Trustees and Co-Chairman of the Combined University Building Fund Committee presented the following resolution:

WHEREAS, the president and trustees of the Miami University and the Board of Trustees of The Ohio State University have by their respective resolutions dated February 3, 1962 and March 15, 1962 expressed their intention to enter into the acquisition and construction of a joint academic facility in the Dayton, Ohio area, and

WHEREAS, application has been made to the Department of Health, Education and Welfare for the transfer to Miami University for the joint use of The Ohio State and Miami Universities two parcels of Government owned land, known as the Miami Conservancy District and Skyway tracts, totaling 190 acres more or less, and

WHEREAS, a trust established in the Winters National Bank of Dayton, Ohio, acting in behalf of the Combined University Building Fund Committee has acquired, or is acquiring, additional acreage from private owners totaling 388 acres, more or less, said land being either adjacent to the federal parcels and/or each other, and

WHEREAS, one 27.33 acre parcel adjacent to the Miami Conservancy District tract and centrally located within the planned campus area is now owned by Rebecca Koogler, and

WHEREAS, all efforts of the Combined University Building Fund Committee acting through its agents have failed to reach a negotiated settlement for a fair acquisition price of said tract from Rebecca Koogler, and

WHEREAS, the master plan for the campus will require incorporation of said Koogler tract to permit orderly development of the campus, and

WHEREAS, sufficient funds for payment of a fair price for said Koogler tract are available for placement in escrow from the Combined University Building Fund Committee, and therefore

BE IT RESOLVED that, the Director of Public Works of the State of Ohio be requested to exercise the right of eminent domain in acquiring said tract totaling 27.33 acres of land from Rebecca Koogler, as empowered under Section 123.26 et seq. of the Revised Code for the State of Ohio for the joint use of Miami University and The Ohio State University for purposes of higher education.

Upon motion of Mr. Allyn, seconded by Mr. Bricker, the above resolution was unanimously approved by roll call vote.

IX. REPORTS (continued)

C. Alumni Distinguished Teaching Awards

President Fawcett announced the recipients of the Alumni Distinguished Teaching Awards which were presented at the Winter Quarter Faculty Meeting on March 7, 1963:

Dr. Edgar Dale, Professor, Bureau of Educational Research  
and Service

Dr. D. Lois Gilmore, Professor and Associate Director,  
School of Home Economics

Dr. Harold J. Grimm, Professor and Chairman, Department  
of History

Dr. Robert C. McMaster, Professor, Department of  
Welding Engineering

Dr. Samuel Saslaw, Professor, Departments of Medicine  
and Microbiology

D. Civil Action File No. 6611 - United States District Court for  
Southern District of Ohio - Niki Z. Schwartz, et al vs.  
The Board of Trustees of The Ohio State University, et al

President Fawcett advised the Board of Trustees that on Monday, March 11, 1963, at three o'clock in the afternoon, papers were served on the President, Novice G. Fawcett, on the Executive Dean of Special Services, Ronald B. Thompson, and on the Secretary, John T. Mount, on behalf of the Board of Trustees, and perhaps others by a Deputy Marshall of the U. S. District Court.

President Fawcett stated further "As you know, legal action has been initiated to obtain an injunction related to the matter of guest speakers on this campus. On behalf of the defendants I sought an audience with the Attorney General of Ohio and he is in the process of preparing an answer to the Complaint."

E. Report on the Investment Portfolio

The report on the University's Investment Portfolio dated February 28, 1963, was presented to the Board of Trustees. The Secretary was instructed to file a copy of the report with the official records of the Board of Trustees.

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Thereupon the Board adjourned to meet Friday, April 12, 1963, at the University at ten o'clock.

Attest:

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John T. Mount  
Secretary

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Forrest G. Ketner  
Chairman

## APPENDIX IV

Degrees Conferred at

THE OHIO STATE UNIVERSITY COMMENCEMENT

March 15, 1963

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## GRADUATE SCHOOL

Acting Dean: RICHARD ARMITAGE

### Doctor of Philosophy

- Arnold Ages, B.A. (Carleton College, Canada) ; M.A.. Ottawa, Ont., Canada  
*Dissertation: Voltaire's Critical Notes in the Old Testament Portion of La Bible Enfin Expliquée*  
*Field of Specialization: Romance Languages (French)*
- Gwendolyn Duell Bowne, B.A., M.A. (University of Washington) Edinboro, Pa.  
*Dissertation: The Development of the Philosophy of Logic from 1880 to 1908*  
*Field of Specialization: Philosophy*
- Edward George Bradley, B.A.; A.M. (Stanford University) . . . Fayette, Ia.  
*Dissertation: Reconstruction of Fragmentary Sentences Presented Aurally*  
*Field of Specialization: Speech*
- Eldon Wesley Brum, B.Sc. in Agr., M.Sc. . . . . Marietta  
*Dissertation: Some Effects of Low Levels of Inbreeding Resulting from a Specific Line Development Mating System on Growth and Production Characteristics in Dairy Cattle*  
*Field of Specialization: Dairy Science*
- Gary Bruce Brumback, A.B. (Indiana University) ; M.A. . . . New Castle, Ind.  
*Dissertation: Exploitative Game Behavior as a Function of the Individual's Exploitative Value Judgments and of His Opponent's Strategy and Success*  
*Field of Specialization: Psychology*
- Ruang Chareonchai, B.Sc. in Edu., M.A. . . . . Bangkok, Thailand  
*Dissertation: Industrial Arts in the Secondary Schools of Thailand*  
*Field of Specialization: Education*
- Patricia Jean Cianciolo, Ph.B. (Cardinal Stritch College, Wisconsin) ; M.E. (University of Wisconsin, Milwaukee) . . . . . West Allis, Wis.  
*Dissertation: Criteria for the Use of Trade Books in the Elementary School Program*  
*Field of Specialization: Education*
- Loren Danford Crane, B.A. (Brigham Young University) ; M.A. Las Vegas, Nev.  
*Dissertation: Levels of Structural Difficulty in Language and Readability*  
*Field of Specialization: Speech*
- Charles Martin Cummings, B.A., M.A. . . . . Columbus  
*Dissertation: Seven Ohio Confederate Generals: Case Histories of Defection*  
*Field of Specialization: History*
- Richard Ray Duncan, A.B., M.A. (Ohio University) . . . . . Kent  
*Dissertation: The Social and Economic Impact of the Civil War on Maryland*  
*Field of Specialization: History*
- William Dean Eickhoff, B.S. in Agr., M.S. (University of Missouri) Chamois, Mo.  
*Dissertation: Market Structure and Performance Relationships in the Ohio Fluid Milk Industry*  
*Field of Specialization: Agricultural Economics and Rural Sociology*

- William Robert Findley, B.S. (Denison University); M.Sc.....Toledo  
*Dissertation: The Complexes of Nickel(II), Palladium(II), and Platinum(II) with Some Oxime Ethers of Dimethylglyoxime and 2-Pyridinaldoxime*  
*Field of Specialization: Chemistry*
- Edward Stokes Fishburne III, B.S. (The Citadel) .....Columbus  
*Dissertation: Non-Equilibrium Processes in a High Enthalpy Nozzle Flow*  
*Field of Specialization: Aeronautical and Astronautical Engineering*
- Horace Wataru Furumoto, B.S. (California Institute of Technology)  
 Honolulu, Hawaii  
*Dissertation: Diffraction of X Rays by Liquids—Nitrogen, Oxygen, and Their Mixtures*  
*Field of Specialization: Physics*
- Glen Carl Gerhard, B.E.E. (Syracuse University); M.Sc....Holcomb, N. Y.  
*Dissertation: On the Current-Voltage Characteristic of PIN and PSN Diodes at High Injection Levels*  
*Field of Specialization: Electrical Engineering*
- Frederic Mohr Glaser, B.S. (Purdue University) .....Fostoria  
*Dissertation: Electron Impact Study of Nitrogen and the Ground State Momentum Function of the Hydrogen Molecule Ion*  
*Field of Specialization: Chemistry*
- John Terence Golden, B.S. (Chem.) (University of Michigan); M.Sc.  
 Howell, Mich.  
*Dissertation: Some Isotopic Studies of the Acid-catalyzed Nitramine Rearrangement*  
*Field of Specialization: Chemistry*
- Vaughn Kenneth Gustin, B.Sc., M.Sc.....Mansfield  
*Dissertation: The Investigation of 8-Aminoquinoline as an Analytical Reagent*  
*Field of Specialization: Chemistry*
- Riaz-ul Haque, B.Sc. (University of Karachi); M.Sc....Karachi, Pakistan  
*Dissertation: Purification and Properties of Staphylococcal Beta Hemolysin*  
*Field of Specialization: Microbiology*
- James William Hillis, B.S. in Ed. (University of Nebraska); M.A.  
 (University of Maryland) .....East Lansing, Mich.  
*Dissertation: Signal Detection and Personnel Selection in Identification Audiometry*  
*Field of Specialization: Speech*
- Lewis Eugene Hulbert, B.S. (Iowa State College); M.S. (Case Institute of Technology) .....Columbus  
*Dissertation: The Numerical Solution of Two-dimensional Problems of the Theory of Elasticity*  
*Field of Specialization: Engineering Mechanics*
- Garland Alton Johnson, B.S. (Carroll College, Wisconsin); M.Sc.  
 Laona, Wis.  
*Dissertation: Isolation and Analysis of Mono-, Di-, and Trisialogangliosides*  
*Field of Specialization: Physiological Chemistry*
- Christopher Jayadas Kalangi, B.Sc. (University of Allahabad); M.Sc.  
 Dornakal, India  
*Dissertation: An Analysis of Training Needs of Extension Agents in Urban and Farm Counties*  
*Field of Specialization: Agricultural Education*



- Kalpataru Kanungo, B.Sc. (Utkal University); M.Sc. (University of Allahabad) ..... Kuradha, Orissa, India  
*Dissertation: Oxygen Uptake in Relation to Water Balance of a Mite in Unsaturated Air*  
*Field of Specialization: Zoology*
- Robert Edgar Kime, B.S., M.S. (Wisconsin State College, La Crosse) ..... La Crosse, Wis.  
*Dissertation: An Investigation to Determine the Feasibility of Using Developmental Tasks as a Source of Health Interests of Junior High School Students*  
*Field of Specialization: Physical Education (Health Education)*
- Evelyn McCloughan, B.A. (University of Sydney, Australia); M.A. East Wahroonga, N.S.W., Australia  
*Dissertation: The Process and the Product of Redeveloping a Curriculum of Physical Education for New South Wales Secondary Schools*  
*Field of Specialization: Physical Education*
- Robert Warren Miller, B.S. (Berea College); M.Sc. .... Warrensville, N. C.  
*Dissertation: The Effect of Mechanical and Chemical Seed Treatment on Plant and Seed Characteristics of Spring Oats, Avena sativa*  
*Field of Specialization: Agronomy*
- Roger Edward Mills, B.Sc. in Phys., M.Sc. .... Willoughby  
*Dissertation: An Application of the Theory of Many-Fermion Systems to Liquid Helium-Three*  
*Field of Specialization: Physics*
- Felipe Juan Montero, B.Sc. (University of London, England); M.Sc. Annandale, Va.  
*Dissertation: The Application of Some Adjustment Procedures to a Block Triangulation*  
*Field of Specialization: Geodetic Science*
- Donald Oliver Norris, S.B. (University of Chicago) .. New Hyde Park, N. Y.  
*Dissertation: A Topology for Mikusinski Operators*  
*Field of Specialization: Mathematics*
- Charles Anthony Pagen, B.C.E., M.Sc. .... Columbus  
*Dissertation: An Analysis of the Thermorheological Response of Bituminous Concrete*  
*Field of Specialization: Civil Engineering*
- Sadashiv Gopal Pathak, B.Sc., M.Sc. (University of Poona) ..... Poona, Bombay, India  
*Dissertation: Antagonistic Properties of a Streptomyces Species against the Causal Agent of Fusarium Wilt of Tomatoes*  
*Field of Specialization: Botany and Plant Pathology*
- Byron Carl Potts, B.E.E., M.Sc. .... Springfield  
*Dissertation: Utilization of the Faraday Effect in Ionospheric Studies*  
*Field of Specialization: Electrical Engineering*
- Syeda Afzalunnisa Rahman, B.A. (Hons.), M.A. (University of Mysore) ..... Mysore, India  
*Dissertation: Education of Women for Modern Indian Society: A Historical Study with a Critique of Contemporary Educational Thought*  
*Field of Specialization: Education*
- Wayne Henry Rausch, B.Sc. in Agr., M.Sc. .... Plain City  
*Dissertation: The Inheritance of Bovine Transferrin Types as Determined by Disc Electrophoresis; Their Use in the Determination of Animal Relationships, and the Association of These Types with Fertility and Production*  
*Field of Specialization: Dairy Science*

- Robert Fredric Rowntree, B.A. (Miami University) ; M.P.A.  
(Syracuse University) .....Columbus  
*Dissertation: Measurements of the Optical Constants of Magnesium Oxide and Calcium Tungstate in the Spectral Region between  $10\text{ cm}^{-1}$  and  $100\text{ cm}^{-1}$  at  $300^\circ\text{K}$  and  $90^\circ\text{K}$*   
*Field of Specialization: Physics*
- Bruce Skaggs, A.B., A.M. (George Washington University) ..St. Clairsville  
*Dissertation: A Structured Approach to Top Management Planning and Control*  
*Field of Specialization: Business Organization*
- Samuel David Stellman, B.P. and H.E. (University of Toronto) ;  
M. Social Work.....Columbus  
*Dissertation: Ohio Senior Citizens Centers*  
*Field of Specialization: Education*
- Kottarathil Mathew Thomas, B.Sc., M.A. (University of Madras)  
Ernakulam, Kerala, India  
*Dissertation: Radioactive Decay of  $\text{Os}^{187} + \text{He}^4$  and  $\text{Os}^{187} + \text{He}^3$*   
*Field of Specialization: Physics*
- James Marion Thompson, B.Sc. in Agr., M.Sc.....Racine  
*Dissertation: Husk Extension of Field Corn in Breeding for Resistance to Bird Damage*  
*Field of Specialization: Agronomy*
- Edgar Fredrick Waldon, B.A. (Delhi University) ; M.S. (Syracuse University) .....Delhi, India  
*Dissertation: A Study of the Spoken and Written Language of Children with Impaired Hearing*  
*Field of Specialization: Speech*
- Frederick Anthony Zeller, B.S.C., M.A. (University of North Dakota)  
Columbus  
*Dissertation: Some Attitudes and Behavior of Local Union Members*  
*Field of Specialization: Economics*  
(Forty-two candidates)

### Master of Arts

- Rajinder Singh Bajwa, B.A., M.A. (Punjab University, India)  
Columbus  
*Field of Specialization: Geography*
- Miriam Whitsett Cardi, B.Sc. in Bus.Adm.....Columbus  
*Field of Specialization: Psychology*
- Doris Buckner Carter, B.A., B.Sc. in Edu.....Columbus  
*Field of Specialization: Education*
- Thomas Nicholas Chirikos, Jr., B.A. (Coe College) .....Chicago, Ill.  
*Field of Specialization: Economics*
- James Edward Conlon, B.Sc. in Edu.....Cincinnati  
*Field of Specialization: Art*
- Lane Knight Conn, Jr., B.A. (Pennsylvania State University)  
Levittown, Pa.  
*Field of Specialization: Psychology*
- Emmett Dana Cox, Jr., B.Sc. in Edu.....Columbus  
*Field of Specialization: Education*
- David Albert DeBolt, B.Mus.....Charleston, W. Va.  
*Field of Specialization: Music*

- Gloria Wherry Dougherty, B.Sc. in Edu.....Columbus  
*Field of Specialization: Education*
- Monroe Drew, B.Sc. in Edu.....Cincinnati  
*Field of Specialization: Education*
- George Ehrenhaft, A.B. (Columbia University) .....Kew Gardens, N. Y.  
*Field of Specialization: English*
- Marz John Garcia, B.S.C. (Ohio University) .....Brooklyn, N. Y.  
*Field of Specialization: Economics*
- Nelle Birt Garrison, B.Sc. in Edu.....Columbus  
*Field of Specialization: Education*
- Rene Ghali Takla Girgis, B.A. (Cairo University) .....Alexandria, Egypt  
*Field of Specialization: Psychology*
- Thomas Dickson Graham, Jr., B.A. (Ohio Wesleyan University) ..Delaware  
*Field of Specialization: Education*
- Howard Eugene Huston, B.A. (Otterbein College) .....Edison  
*Field of Specialization: Education*
- Dale Howard James, B.S. in Edu. (Capital University) .....Mt. Vernon  
*Field of Specialization: Education*
- Lawrence Paul Jones, B.Sc. in Edu.....Worthington  
*Field of Specialization: Education*
- Carl Heinz Knoche, B.A. (Marquette University) .....Milwaukee, Wis.  
*Field of Specialization: German*
- Walter Knoche, B.A. (Marquette University) .....Milwaukee, Wis.  
*Field of Specialization: German*
- Charles William Lamb, A.B. (Oberlin College) .....Fremont  
*Field of Specialization: Psychology*
- Kathleen Hester Lang, B.Sc. in Edu.....Columbus  
*Field of Specialization: Speech*
- Donald Wayne Lewis, B.S. (Bowling Green State University) .....Tiffin  
*Field of Specialization: Geography*
- Ellis Ervin Miller, B.A., B.Sc. in Edu.....Washington C. H.  
*Field of Specialization: Education*
- Raquel Sara Miquel-Llauger, B.A. (University of Puerto Rico)  
Ponce, Puerto Rico  
*Field of Specialization: Psychology*
- Lisle Serles Mitchell, B.Sc. in Edu.....Mansfield  
*Field of Specialization: Geography*
- Ragy Georgy Elkomos Mitias, B.Sc. (Teachers College, Cairo) .Cairo, Egypt  
*Field of Specialization: Education*
- Constance Louise Paul, B.A.....Columbus  
*Field of Specialization: Speech*
- Charles Edward Piatt, B.A.....Bellaire  
*Field of Specialization: Journalism*
- James Schofield Saeger, B.A.....Columbus  
*Field of Specialization: History*
- Larry Raymond Shotwell, B.A. (Bowling Green State University)  
Fairview Park  
*Field of Specialization: Economics*

- Thomas Leroy Sixt, B.S. in Edu. (Capital University) ..... Columbus  
*Field of Specialization: Education*
- Jackson Joseph Spielvogel, B.A. (Pennsylvania State University) ..... Ellwood City, Pa.  
*Field of Specialization: History*
- Reiko Sugi, B.A. (Tokyo University of Education) ..... Tokyo, Japan  
*Field of Specialization: English*
- Mary Virginia Supler, B.A. (Ohio Wesleyan University) .Princeton, W. Va.  
*Field of Specialization: Speech*
- Ronald Douglas Taylor, B.F.A. .... Sylvania  
*Field of Specialization: Art*
- Genevieve Trzcinski, B.S. (Teachers College of Connecticut) ..... New Britain, Conn.  
*Field of Specialization: Psychology*
- Grace Miller Twine, B.Sc. in Edu. .... Columbus  
*Field of Specialization: Education*
- Kezia Bradford Vanmeter, A.B. (Vassar College) ..... Piketon  
*Field of Specialization: English*
- Aloysius Weber III, B.Sc. in Edu. .... Columbus  
*Field of Specialization: Education*
- Arthur Rudolph Weisberg, B.Sc. in Edu. .... Columbus  
*Field of Specialization: Education*
- Thomas A. Zachman, B.S. (Minnesota State Teachers College,  
 Saint Cloud) ..... Melrose, Minn.  
*Field of Specialization: Speech*

(Forty-two candidates)

#### Master of Business Administration

- Perry Edward Lanning, B.S. in Bus.Adm. (Bowling Green State  
 University) ..... Findlay  
*Field of Specialization: Business Organization*
- Harry Lee Mathews, B.S. (University of Illinois) ..... Lima  
*Field of Specialization: Business Organization*
- James Donald Maxwell, B.Sc. in Bus.Adm. .... Zanesville  
*Field of Specialization: Business Organization*
- Ted L. Neely, B.Sc. in Bus.Adm. .... Galion  
*Field of Specialization: Business Organization*

(Four candidates)

#### Master of City Planning

- David Alan Potter, B.A. .... Mansfield  
*Field of Specialization: Architecture (City Planning)*

(One candidate)

#### Master of Education

- Wallace Bryan Gossett, B.Sc. in Edu. .... Greenfield  
*Field of Specialization: Education*
- Raymond Dempsey Hively, B.A. .... Columbus  
*Field of Specialization: Education*

Ward Eugene Putterbaugh, B.S. in Ed. (Otterbein College) . . . . . Columbus  
*Field of Specialization: Education*  
 (Three candidates)

### Master of Science

John Brobe Adutwum, B.I.C.S. (South-West Essex Technical College,  
 London, England) . . . . . Kumasi, Ghana  
*Field of Specialization: Geodetic Science*

William John Anzick, B.S. (John Carroll University) . . . . . Euclid  
*Field of Specialization: Physics*

\*Karl Cring Ayers . . . . . Columbus  
*Field of Specialization: Civil Engineering*

Keith E. Bazaire, B.S. (Michigan State University) . . . . . Lake, Mich.  
*Field of Specialization: Chemical Engineering*

Richard Lawrence Beauchamp, B.S. Met.Engr. (Michigan College of  
 Mining and Technology) . . . . . Massillon  
*Field of Specialization: Metallurgical Engineering*

Jerrold John Behringer, D.D.S. . . . . Defiance  
*Field of Specialization: Dentistry*

Gurdeep Singh Chawla, B.Sc. (Benares Hindu University)  
 New Delhi, India  
*Field of Specialization: Electrical Engineering*

Max Burgoyne Culler, D.D.S. . . . . Hicksville  
*Field of Specialization: Dentistry*

Edward Eugene Darrow, B.S.Agr. (Purdue University) . . Wolcottville, Ind.  
*Field of Specialization: Agricultural Economics and Rural Sociology*

James Leon Day, B.S.Pharm. (Ohio Northern University) . . . . . Columbus  
*Field of Specialization: Pharmacy*

Jagdev Singh Dhaliwal, B.Sc. (Agr.), B.T. (Punjab University)  
 Udaipur, Rajasthan, India  
*Field of Specialization: Animal Science*

Charles Edward Durbin, B.A. (John Carroll University) . . . . . Euclid  
*Field of Specialization: Physics*

Andrew Jon Eggenberger, B.S. in C.E. (Carnegie Institute of  
 Technology) . . . . . Harlowton, Mont.  
*Field of Specialization: Civil Engineering*

Richard Carl Erdman, B.E.E. . . . . Cleveland  
*Field of Specialization: Electrical Engineering*

James Terrence Flynn, B.S. in Elec.Engr. (University of Notre Dame)  
 Buffalo, N. Y.  
*Field of Specialization: Electrical Engineering*

George Joseph Garman, B.Sc. in Agr. . . . . Jefferson  
*Field of Specialization: Agricultural Education*

Richard Alan Gill, B.Sc. in Phys. . . . . Cuyahoga Falls  
*Field of Specialization: Mathematics*

Mikhail Milad Mikhail Girgis, B.Sc. (Ain Shams University, Cairo);  
 B.A. in Ed. (American University at Cairo) . . . . . Fayum, Egypt  
*Field of Specialization: Chemistry*

\* Two degrees

- Charles Lewis Hahn, B.Agr.E.....Hilliard  
*Field of Specialization: Agricultural Engineering*
- \*Edward Allan Hiler.....Harrison  
*Field of Specialization: Agricultural Engineering*
- Lawrence Edward Hines, B.Sc. in Agr.....Ashville  
*Field of Specialization: Agricultural Economics (Rural Sociology)*
- Milton Baruch Hirsch, B.Sc. in Edu.; D.D.S. (Western Reserve  
University).....Shaker Heights  
*Field of Specialization: Dentistry*
- \*Glenn Jerrald Hoffman.....Plain City  
*Field of Specialization: Agricultural Engineering*
- William James Hunzicker, D.D.S.....Columbus  
*Field of Specialization: Dentistry*
- Ronald Ray Johnston, B.S.Pharm. (University of Toledo)....Steubenville  
*Field of Specialization: Pharmacy*
- Terry James Klopfenstein, B.Sc. in Agr.....West Unity  
*Field of Specialization: Animal Science*
- Erwin Miller Kohler, D.V.M.....Cincinnati  
*Field of Specialization: Microbiology*
- Raymond Michael Koper, B.S. (Pennsylvania State University)..Columbus  
*Field of Specialization: Engineering Mechanics*
- Marion Earl Kroetz, B.Sc. in Agr.....Findlay  
*Field of Specialization: Agricultural Education*
- Andrew Jacob Kuntzman, B.Sc. in Edu.....Frankfort  
*Field of Specialization: Zoology*
- Mohamed Fathi Madkour, B.Mine Eng. (Cairo University)....Giza, Egypt  
*Field of Specialization: Geodetic Science*
- Charles Herbert Maines, B.S. in C.E. (University of Massachusetts)  
Columbus  
*Field of Specialization: Civil Engineering*
- Richard Royer Manahan, B.S. (United States Military Academy)  
Blue Ridge Summit, Pa.  
*Field of Specialization: Civil Engineering*
- Iqbal Nath Manchanda.....Delhi, India  
*Field of Specialization: Dairy Science*
- Edward Bruce McLean, B.Sc. in Agr.....Washington C. H.  
*Field of Specialization: Zoology*
- Robert Leon Meeks II, B.S. (Michigan State University).....Ashland  
*Field of Specialization: Zoology*
- Gerhard Menckhoff, Ing. (Eidgenossische Technische Hochschule,  
Switzerland) .....Basle, Switzerland  
*Field of Specialization: Civil Engineering*
- Michael Theodore Moore, B.A.A.E.....Norwood  
*Field of Specialization: Aeronautical and Astronautical Engineering*
- Surender Kumar Nanda, B.Sc. (Agra University); B.D.S. (Lucknow  
University) .....Lucknow, U. P., India  
*Field of Specialization: Dentistry*

\* Two degrees

- William Matthews Nelson, B.Sc.; D.D.S. (University of Pittsburgh)  
Brookville, Pa.  
*Field of Specialization: Dentistry*
- Rita Marie O'Brien, B.A. (San Francisco College for Women)  
San Francisco, Calif.  
*Field of Specialization: Physiological Chemistry*
- Richard Karl Oswald, B.E.E.....Leipsic  
*Field of Specialization: Electrical Engineering*
- Sieglinde Ilse Christa Petrat, B.S. in Med. Tech. (Wittenberg University)  
Springfield  
*Field of Specialization: Microbiology*
- Phillip Floyd Pflaumer, B.Ch. E.....Urbana  
*Field of Specialization: Chemical Engineering*
- Daniel V. Phillips, B.Sc.....Upper Sandusky  
*Field of Specialization: Botany and Plant Pathology*
- Hiram Benjamin Preston, Ing. (National University of Colombia)  
Cartagena, Colombia  
*Field of Specialization: Civil Engineering*
- James William Ray, B.S. (United States Military Academy) . . Red Bay, Ala.  
*Field of Specialization: Civil Engineering*
- Darold Gene Riegsecker, B.E.E.....Archbold  
*Field of Specialization: Electrical Engineering*
- Thomas Lee Robertson, D.D.S. (Marquette University) . . .Inglewood, Calif.  
*Field of Specialization: Dentistry*
- Carl Frederick Ruff, B.Sc. in Agr.....Oakharbor  
*Field of Specialization: Agricultural Education*
- Michel Raif Saati, B.Sc. (Alexandria University) . . . . .Alexandria, Egypt  
*Field of Specialization: Chemistry*
- Raghubir Sen, B.Sc.Ag. (University of Rajasthan) .Jaipur, Rajasthan, India  
*Field of Specialization: Agricultural Education*
- Kobad Meherji Sethna, B.Sc. (University of Rajasthan) . . . .Bombay, India  
*Field of Specialization: Pharmacy*
- Sally Ann Seubert, B.S. in H.Ec. (Mount Mercy College, Pennsylvania)  
Pittsburgh, Pa.  
*Field of Specialization: Preventive Medicine*
- Allan David Silver, S.B. (Massachusetts Institute of Technology)  
Great Neck, N. Y.  
*Field of Specialization: Mathematics*
- Michael Thomas Skubiak, B.M.E. (University of Akron) . . . . .Canton  
*Field of Specialization: Engineering Mechanics*
- Lester Frank Smith, B.Sc. in Bus.Adm., B.M.E.....Columbus  
*Field of Specialization: Mechanical Engineering*
- James Trotter Staley, B.A. (University of Minnesota) . . . . .Huron, S. Dak.  
*Field of Specialization: Microbiology*
- Carol B. Stein, B.A. (Lake Erie College) . . . . .Worthington  
*Field of Specialization: Zoology*
- Don Frederick Svendsen, B.S. (United States Military Academy)  
Chicago, Ill.  
*Field of Specialization: Civil Engineering*

John Joseph Tarsitano, D.D.S. (Loyola University) ..... Chicago, Ill.  
*Field of Specialization: Physiology*

James Robert Taylor, Jr., B.S. (Cornell University) ..... New York, N. Y.  
*Field of Specialization: Agricultural Economics and Rural Sociology*

Barbara Jean Ten Raa, B.Sc. in Med.Tech..... Columbus  
*Field of Specialization: Pathology*

Louis Donald Vottero, B.S. in Phar. (Duquesne University, Pennsylvania)  
 Barborton  
*Field of Specialization: Pharmacy*

Philip Marvin Weintraub, B.Sc..... Beachwood  
*Field of Specialization: Chemistry*

Richard Ernest Young, B.Sc. in Agr..... Painesville  
*Field of Specialization: Agricultural Education*

Marvin Alexander Zuravsky, D.D.S..... Columbus  
*Field of Specialization: Dentistry*  
 (Sixty-seven candidates)

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## CANDIDATES FOR TWO DEGREES

Karl Cring Ayers..... Columbus  
 Master of Science  
 Bachelor of Civil Engineering (cum laude)

Mary Susan Jettinghoff Garlinger..... Columbus  
 Bachelor of Arts  
 Bachelor of Science in Education

Brenda Guinup..... Crestline  
 Bachelor of Arts  
 Bachelor of Science in Education

Edward Allan Hiler..... Harrison  
 Master of Science  
 Bachelor of Agricultural Engineering

Glenn Jerrald Hoffman..... Plain City  
 Master of Science  
 Bachelor of Agricultural Engineering  
 (Five candidates)



# COLLEGE OF AGRICULTURE AND HOME ECONOMICS

Dean: ROY M. KOTTMAN

## Bachelor of Science in Agricultural Biochemistry

Arthur Fredrick Badenhop.....Malinta

(One candidate)

## Bachelor of Science in Agriculture

Richard Edward Beaver.....Sandusky  
Lawrence Edward Blum.....Cincinnati  
Nelson Edward Bowlus.....Trenton  
Bryson Reed Carter.....Quaker City  
Gordon Ray Clevenger.....Columbus Grove  
Carl Henry Crawford.....Cadiz  
Thomas Greene Dougan.....Cleveland Heights  
Lawrence Robert Elleman.....Eaton  
Alvin Lorenz Etzler.....Convoy  
Theodore William Gastier (cum laude).....Milan  
Robert Paul Giffin, Jr.....Bridgeport  
Richard Eugene Grantham.....Chardon  
William Louis Grossman.....Lockbourne  
Don Eugene Grube.....Millersport  
Don Edwin Harrold.....Edon  
Thomas Carlyle Hasel.....Pemberville  
Larry Lee Hoffman.....Columbus  
Robert Ray Lotshaw.....Loveland  
Frank Aloysius McCabe, Jr.....Columbus  
George William Rehm.....Columbus  
David Gard Siers.....Dexter City  
Richard Allan Soldner.....Springfield  
John Joseph Solt, Jr.....Arlington  
Bruce Baldwin Stauffer.....Stone Creek  
John Phillip Stimmel.....Woodstock  
James Milton Stuller.....Mt. Vernon  
Gary Lynn Theis.....Massillon  
Paul Eugene Wank.....Leipsic  
Henry Scott Wells.....Lore City

(Twenty-nine candidates)

## SCHOOL OF HOME ECONOMICS

### Bachelor of Science in Home Economics

Sharon Kay Baertsche (summa cum laude).....Dunkirk  
Wava Joan Gillespie.....Kimbolton  
Jo Anne Hartman.....Highland  
Jane Yvonne Higgins.....Mt. Vernon  
Elizabeth Banning Kost.....Mt. Vernon  
Carol Ann LeBay.....Columbus  
Donna Ayers Lord.....Vienna, W. Va.

Jane H. Munzer.....	Whitestone, N. Y.
Mary Alice Pendleton.....	Leonardsburg
Martha Jennifer Sillen.....	Methuen, Mass.
Judith Ranney Spillman.....	Cleveland
Patricia Ann Strayer.....	Delphos

(Twelve candidates)

# COLLEGE OF ARTS AND SCIENCES

Dean: J. OSBORN FULLER

## Bachelor of Arts

Erick Randolph Alden.....	Wilmington
Fredrick Dean Altizer.....	Winter Park, Fla.
Theodore Daniel Appel.....	Cincinnati
Henry William Backus.....	Cincinnati
Richard McCreery Beatty.....	East Liverpool
Frank Joseph Bickar.....	Canton
Judith Lynn Brockman.....	Columbus
Dennis Lee Brooks.....	East Cleveland
Daniel John Brown.....	Bryan
Thomas Guy Buscemi.....	West Jefferson
Jennifer Ann Carter.....	Springfield
Suzanne Cherrington.....	Gallipolis
James William Child.....	Findlay
Charles Wayne Clark.....	Scio
Ivan Ronald Cohen.....	Columbus
Donald Elmer Conner.....	Dayton
John Edwin Dewey.....	Delaware
Joyce Lindblad Ebersold.....	Euclid
Roy Lee Foutz.....	Hamilton
Nancy Fox.....	New York, N. Y.
Robert Edward Fultz (cum laude).....	Columbus
Anthony Garcia.....	Steubenville
*Mary Susan Jettinghoff Garlinger.....	Columbus
*Brenda Guinup.....	Crestline
Janet Oxley Hansen.....	Defiance
Michael Harshman.....	Youngstown
Thomas Lenox Herrnstien.....	Chillicothe
John Blood Hinkel.....	Columbus
Steven Raymond Keeney.....	Columbus
Galen Gourley Keller.....	Youngstown
Carol Lynn Kelley.....	Worthington
Jaqueline Agnew Kleinman.....	Columbus
Donald Joseph Kohls.....	Cincinnati
William Wiltshire Lamkin.....	Columbus
Alden Kenyon Lanphear.....	Albany, N. Y.
Sue Veregge Lape.....	Columbus
David Ryan Lauderback.....	Cincinnati
Arnold Lee Levine.....	University Heights
Mary Catherine Liller.....	London
Robert Edward Mathews, Jr.....	Columbus
Dennis Francis Miller.....	Boise, Idaho
Patricia Leonard Miller.....	Columbus
Stanley Henderson Murphy.....	Medina
Walter Edward Oliu.....	Hubbard
Roger Dean Paulus.....	Massillon
David Lawrence Pemberton.....	Toledo
Anne La Vonne Raney.....	Dublin
Thomas Edwin Reilly.....	Sandusky
David George Roberts.....	Willowick

\* Two degrees

Audrey Dorothea Rogers.....	Akron
Michael Philip Rupright.....	Marysville
Norma Lynn Senzel.....	Rochester, N. Y.
Michael Stanley Shano.....	Cleveland
Constance Elaine Sheley.....	New Carlisle
John Ranlom Sones.....	Kettering
Alice Lanette Spalding.....	Dover
Frances Atwell Spetnagel.....	Chillicothe
Robert Jerome Stephens.....	Cleveland
William David Stewart.....	Huntington, W. Va.
Peter David Hittings Stockton.....	Maumee
John Paul Strommer.....	Greensburg, Pa.
Susan Bettina Thomas.....	Columbus
James Michael Vassar.....	Mansfield
Maureen Eleanor Walsh.....	Lake Mills, Wis.

(Sixty-four candidates)

### Bachelor of Science

Rannells Bauman.....	Columbus
William James Bell.....	Columbus
James Daniel Blaser.....	Bowling Green
Robert Lester Bombach.....	Cleveland
Lewis Vance Campbell, Jr.....	Gallipolis
James Allen Cole.....	Marietta
Allan Bruce Crocoll.....	Cleveland
Donald Eugene Culler.....	Wooster
Philip William DeCamp.....	Cincinnati
Nancy Frick Elberfeld.....	Columbus
Nancy Crabill Goard.....	South Charleston
William John Hamilton.....	Columbus
Stephen Paul Harter.....	Canton
Larry Dean Heck.....	Christiansburg
Edward Francis Hutchins.....	Powell
Judith Adams Joseph.....	Alger
Lawrence Kaufman.....	Mayfield Heights
Ronald Michael Kondrich.....	Lakewood
Mohamed Cherif Kouidri.....	Hamman-Lif, Tunisia
Mary Elizabeth Fischlin Kozel.....	Cleveland
Gerald Thomas Lefevre.....	Mt. Vernon
Roger Byron Lefkowitz.....	South Euclid
John Robert Mattox.....	Columbus
Theodore Jaye Mock.....	Columbus
Kenneth Wilton Mylander.....	Columbus
Robert Russell Ogilby.....	Hudson
Charles Robert Ogle.....	Westerville
Shirley Ellen Poduslo.....	Woodbridge, N. J.
Norman Mark Pollack.....	Cleveland Heights
Charles William Pond.....	Mt. Vernon
Robert Ingersoll Rose.....	Hudson
Norman Charles Rosen.....	Cleveland Heights
Donald Stephen Roth.....	Swan Lake, N. Y.
Richard LeRoy Schumacher.....	Zanesville
Robert Willard Scott.....	Scarsdale, N. Y.
Paul Wing Shiu Tso.....	Hong Kong, China
Janis Turkopuls.....	Cleveland
Lawrence William Weller, Jr.....	Youngstown
Arthur Clayton Willis, Jr. (cum laude).....	Chillicothe

Susan Margaret Winget.....	Kettering
Arturs Zageris .....	Columbus

(Forty-one candidates)

### **Bachelor of Science in Medical Technology**

Lulu Grace Gruner.....	Columbus
Sandra Janette Marsh .....	Washington C. H.
Carolyn Ann Meier.....	Lancaster
Vivian Rae Ozan (cum laude).....	Cleveland Heights
Dorothy Eleanor Radik .....	Newton Falls
Marleen Joan Reys.....	Chagrin Falls
Lois Ruth Walter.....	Carroll

(Seven candidates)

## **SCHOOL OF JOURNALISM**

### **Bachelor of Arts**

Sheldon Lee Greenberger.....	Cleveland Heights
Karen Lee Groezinger.....	Columbus
John David Oravets.....	Lakewood
Louis Albert Schmidt.....	Youngstown

(Four candidates)

# COLLEGE OF COMMERCE AND ADMINISTRATION

Dean: JAMES R. MCCOY

## Bachelor of Science in Business Administration

Robert Clifton Acox.....	Columbus
Charles Thomas Albright.....	Columbus
Wayne Carl Baker.....	Sandusky
John Clair Brown.....	Continental
Robert McLaughlin Brown.....	Blacklick
Thomas Arthur Bryan.....	Zanesville
Bruce David Burriss.....	Columbus
Harry August Chambon III.....	St. Clairsville
Robin B. Clarke.....	Rocky River
Philip Oke Cook.....	Lakewood
William Charles Crist.....	Tiffin
Susan Gibson Dragics.....	Oakharbor
David Leon Elmer.....	Strongsville
William Murray Falvey.....	Toledo
John Irving Ferguson.....	Mt. Vernon
Howard Dee Foster.....	Wheelerburg
Robert Henry Gottlieb.....	Hewlett, N. Y.
Donald Keith Green.....	Cleveland
Paul Giles Hamill, Jr.....	Rocky River
Michael Winters Holzemer.....	Columbus
Dennis Martin Kaefer.....	Glen Cove, N. Y.
C. Scott Kayser.....	Leavittsburg
Daniel Allan Kucera.....	Delaware
Wayne Edwin Long.....	Bryan
David Daniel Mooney.....	Delaware
Stanley Morganstern.....	Cleveland Heights
Russell Dale Morris.....	Canal Winchester
Peter Robert Park.....	Columbus
William Arthur Pertuset.....	Rushtown
William Fred Rauch.....	Columbus
James Frank Renard.....	Mansfield
David Lynn Sauber.....	Napoleon
Richard Douglas Shields.....	Newark
Ford David Smucker.....	Leroy
William Crane Spellman.....	Urbana
James Willard Stofer.....	Stryker
Steven Raymond Strayer.....	Reynoldsburg
Jerry Lowell Ufford.....	Ashtabula
Jay Edgar Weakland.....	Mansfield
Craig Joseph Welch.....	Columbus
Robert Joseph Welty.....	Marion
Philip Ray Wilcox.....	Columbus
John Dennis Wise.....	Cincinnati
Charles Frank Wright.....	Cleveland

(Forty-four candidates)

## Bachelor of Science in Social Welfare

Donna Gompf Halstead (cum laude).....	Columbus
Margaret Jean Hazen.....	Ridgewood, N. J.

(Two candidates)

**COLLEGE OF DENTISTRY**

**Dean: WENDELL D. POSTLE**

**Doctor of Dental Surgery**

**Roger Charles Heil, B.A. (Bowling Green State University) . . . . . Cleveland**

**(One candidate)**

# COLLEGE OF EDUCATION

Dean: DONALD P. COTTRELL

## Bachelor of Science in Education

Barbara Hiestand Albert.....	Columbus
Pouneh Moghadam Alcott.....	Columbus
Annemarie Monika Andrae.....	Columbus
Melih Esen Arslaner.....	Yozgat, Turkey
Christine Jo Assmann.....	Columbus
Karen Wright Atkinson.....	East Liverpool
Judith Anne Barickman.....	Columbus
Jan Scanlin Becker.....	Sidney
Ellen Ann Berger.....	Lorain
Carl Berke.....	Columbus
Olivia May Bernabei.....	Wintersville
Barbara Jean Bland.....	Hamilton
Judith Irene Bloom.....	Lima
John Lee Blumenshine.....	Lorain
Sandra Lee Boger.....	Lima
Linda Lee Bower.....	Columbus
Faye Hall Boyes.....	Columbus
Brenna Hobson Budd.....	Newark
Edith Caryl Carpenter.....	Hilliard
Sandra Lynn Chester.....	Toledo
Cheryn Lee Clark.....	New Carlisle
Dennis Ray Clotz.....	Amherst
Carl Edward Clous, B.Sc. in Bus.Adm.....	Columbus
Paul Timothy Coffey.....	Zanesville
Stuart Ervin Coleman.....	Salem
Glen Durant Coons, B.A., M.A. (cum laude).....	Columbus
George William Corder.....	Columbus
Sharon Lou Cornille.....	Mt. Vernon
Rosalyn Gilpatrick Cross.....	Worthington
Ian Maclaren Cunningham, Jr.....	Perry
Larry Eugene Cunningham.....	Columbus
Dolores Rogers Curtis.....	Columbus
Bobbie Berry DeLoach.....	Lufkin, Tex.
Burrell Bancroft Denune.....	Columbus
Carol Lyn Deutsch.....	Salem
Benjamin John Dombrowski.....	Lorain
Bernice Sanor Doughty, B.Sc.....	Homeworth
Charles Wilson Fay.....	Rocky River
Bruno Femia.....	Mansfield
Jean Fleming.....	Columbus
Raymond Lee Foreman.....	Bucyrus
Marcia Louise Frank.....	Springfield
*Mary Susan Jettinghoff Garlinger.....	Columbus
Mary Ann Gatchell.....	Greenville
Joyce Carole Gilmore.....	Cleveland Heights
Patricia Woodyard Gilmore (cum laude).....	Lancaster
Carol Good.....	Columbus
Carol Elizabeth Goodwin.....	Columbus

\* Two degrees



Karen Therese Greenberg.....	University Heights
Jean Finlay Grove.....	Coshocton
*Brenda Guinup.....	Crestline
Larry Duane Haas.....	Cardington
Mary Kay Ford Hardcastle.....	Cincinnati
Louise Moore Harmon.....	Columbus
Patricia Doris Hein.....	Chagrin Falls
Ruth Frances Hofrichter.....	Lakewood
Marilyn Frances Hover.....	Galion
Joan Springer Hunt.....	Worthington
Judith Boor Hunter (cum laude).....	Shelby
Susan Jane Huston.....	Springfield
Robert Michael Ingram.....	Bellaire
Gloria Gayle Kastner.....	Shaker Heights
Jessie Louise Keller.....	Toledo
Donald Lester Kendrick.....	Columbus
Betty Louise Kenty.....	Cincinnati
Carol Zeise Klaiber.....	Lorain
Sandra Guinup Krause, B.F.A.....	Crestline
Bonnie S. Krock.....	University Heights
John Walter Kuntz.....	Columbus
John Louis Kurtzman.....	Crestline
Johann Rawson Lambert, B.A.....	Grove City
Alexander James Laymon.....	Columbus
Alice Ann Lebermuth.....	Warren
Gerald Arthur Leist.....	Stoutsville
Judith Sheila Levine.....	Bayside, N. Y.
Michael J. Leymaster.....	Wauseon
Ruth Dugger Lindenberger.....	Columbus
Robert Gaylord Maben.....	Bay Village
Walter Peter Mabry.....	Jersey City, N. J.
Judi Elaine Mauk.....	Columbus
Harold Albert McDonnell.....	Mt. Holly, N. J.
Donald Ray McMeekin, B.F.A.....	Columbus
Daniel Stephens Morris.....	Dayton
Elaine Carolyn Mumper.....	Loudonville
Alva Don Nafzger, B.Sc. in Bus.Adm.....	Columbus
Frederick Joseph Neer.....	Urbana
Sylvia Sidney Nelson.....	Dayton
Mary Ellen Tippet Nye (cum laude).....	Columbus
Louise Marie Obloy.....	Parma
John Robert O'Neil.....	Worthington
Shirley Ann Oney.....	Westerville
Nicholas Vincent Paolano, Jr., B.Sc. in Agr.....	Clinton
Paul Duane Pfeiffer, Jr.....	New Rumley
Sharon Pitluk.....	Cleveland Heights
Karen Starn Pollock (summa cum laude).....	Columbus
John Ralph Price.....	Columbus
Virginia Kandravy Price.....	Columbus
Wendell Hayes Rector.....	Columbus
Elaine Kay Rigdon.....	West Union
Robert John Rittenhouse, A.B. (Mount Union College).....	Alliance
Marjorie Ruzich.....	Madison
William Allan Saarela.....	Fairport Harbor
Mary Ann Begland Sacco.....	Gnadenhutten
Sherry Lynn Seitz.....	Springfield

\* Two degrees

Judith Kay Senn.....	Indianapolis, Ind.
David Governey Siegfried, B.S. in Bus. (Miami University).....	Dayton
Jerry Grant Smoke.....	Columbus
Ethel Woods Spaights.....	Youngstown
Nedra Rae Stimpfle.....	Upper Sandusky
Suellen Ann Sutphen.....	Newark
Phyllis Bonnie Taich.....	Lorain
Linda Abbuhl Thomas.....	New Philadelphia
Mary Ellen Thompson.....	Montpelier
Mary Catherine Timmins.....	Columbus
Janice Carol Todd.....	Pataskala
Charles Eugene Trott.....	Columbus
Joseph Charles Vargo.....	Martins Ferry
Charlotte Nist Wadsworth.....	Gambier
Sandra Lane Walker (cum laude).....	Mt. Vernon
Howard Grant Weaver, B.A.....	Circleville
Barbara Lynne Weintraub.....	South Euclid
Harriet Slabaugh Whipple.....	Columbus
Robert Arthur White.....	Akron
Frederic Steven Wieder.....	Cleveland Heights
Shelton Odell Williams.....	Marion
Sharon Rhoda Williger.....	Cleveland
Raye Cleo Wills.....	Pittsburgh, Pa.
John Foster Wilson.....	Cleveland
Judith Stewart Woods.....	Plain City
Doris Budrow Zubei, B.Sc. in Occ.Ther.....	Powell

(One hundred thirty candidates)

#### **Bachelor of Fine Arts**

Stephen Michael Glick.....	Huntington, W. Va.
Yvonne Christine Luechauer, A.B. (Wheaton College).....	Dayton
Sara Hathaway Willis.....	Chillicothe

(Three candidates)

#### **Bachelor of Science in Occupational Therapy**

Anne Taylor Heinlein.....	Bridgeport
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(One candidate)

# COLLEGE OF ENGINEERING

Dean: HAROLD A. BOLZ

## Bachelor of Agricultural Engineering

\*Edward Allan Hiler ..... Harrison  
\*Glenn Jerrald Hoffman ..... Plain City

(Two candidates)

## Bachelor of Ceramic Engineering

John Alban Edwards ..... Columbus

(One candidate)

## Bachelor of Civil Engineering

\*Karl Cring Ayers (cum laude) ..... Columbus  
Paul Edward Gillum ..... Hilliard  
David Louis Ledvinka ..... Bridgeport  
James Frederick Murray ..... Logan  
Francis Carlton Smith ..... Malta  
John Guy Weikel ..... North Canton

(Six candidates)

## Bachelor of Electrical Engineering

Frank Dominic Anzelmo ..... Girard  
Herbert Nelson Brown ..... Columbus  
Peter Felix Hille ..... Columbus  
Ronald J. Huff (summa cum laude) ..... Marengo  
Ralph Paul Jahn ..... Parma Heights  
Franklin Everett Robinson, B.Sc. in Bus.Adm. .... Columbus

(Six candidates)

## Bachelor of Industrial Engineering

John Patrick Hurley ..... Cincinnati  
Michael Keresztesy, Jr. .... Cleveland  
David Edward Mahanna ..... Columbus  
Philip Arden Swartz ..... West Liberty

(Four candidates)

## Bachelor of Mechanical Engineering

William Raymond Givens ..... Columbus  
Franklin Leonhard Junkermann ..... Columbus  
Bela George Nagy ..... Budapest, Hungary  
Gerald Kiril Yankoff ..... Cincinnati

(Four candidates)

## Bachelor of Metallurgical Engineering

William Earl Dauksch ..... Columbus  
Andrew Gillespie Forrest, Jr. .... Cleveland  
Jack Wing Lee ..... Columbus

(Three candidates)

\* Two degrees

**Bachelor of Science  
in Physics**

David Bidwell Waters..... Windsor  
(One candidate)

**Bachelor of Welding Engineering**

Thomas York Bowen..... Portsmouth  
Michael Rochester Fix..... Columbus  
William Arthur Roden..... Hamilton  
(Three candidates)

**SCHOOL OF ARCHITECTURE AND LANDSCAPE ARCHITECTURE**

**Bachelor of Architecture**

Albert John Yanscik, Jr..... Warrensville Heights  
(One candidate)

**Bachelor of Landscape Architecture**

Carol Welker Fenton..... New Concord  
(One candidate)

# COLLEGE OF MEDICINE

Dean: RICHARD L. MEILING

## SCHOOL OF NURSING

### Bachelor of Science in Nursing

Nancy Lee Andrew.....	Cincinnati
Patricia Ann Booth.....	Youngstown
Rosemary Helen Daniel.....	Willard
Phyllis Marie Fox.....	Walbridge
Mary Garro (cum laude).....	Ravenna
Georganne Morris.....	Dayton
Dorothy Jeanne Morrison.....	Springfield
Elizabeth Ann Oddou.....	Tiffin
Joanne Catherine Sabol.....	Toronto
Lois May Schroeder (cum laude).....	Postoria
Mildred Sladoje.....	Cadiz
Rozanne Therese Szaraz.....	Bedford
Jean Marilyn Walker.....	Columbus
Yvonne Culberson Wilcox (cum laude).....	Grove City
Lael Jean Zachman.....	Canton

(Fifteen candidates)

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THE OHIO STATE UNIVERSITY  
OFFICIAL PROCEEDINGS OF THE  
NINE HUNDRED AND SEVENTY-NINTH MEETING  
OF THE BOARD OF TRUSTEES

Columbus, Ohio, April 12, 1963

The Board of Trustees met at its regular monthly meeting on Friday, April 12, 1963, at The Ohio State University, Columbus, Ohio, pursuant to adjournment.

Present: Forrest G. Ketner, Chairman, Smith L. Rairdon, Jacob E. Davis, Stanley C. Allyn, and John W. Bricker.

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The minutes of the last meeting were approved.

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President Fawcett presented the following recommendations:

I. GENERAL RECOMMENDATIONS

A. School of Aviation, Change of Name to Department of Aviation in College of Engineering

The Faculty Council on March 12, 1963 approved the proposal of a special faculty committee which was endorsed by the Faculty of the College of Engineering and the Council on Instruction that the name of the School of Aviation be changed to the Department of Aviation in the College of Engineering, effective July 1, 1963.

The above proposal to change the name and organization of the School of Aviation to a Department of Aviation is based on a careful study by a special committee involving the personnel of the School of Aviation, the Committee on Instruction and the Executive Committee of the College of Engineering, the Council on Instruction, and faculty and administrative representatives of the University at large. The proposed change is in accord with a revised definition of the department's responsibility for teaching, research, and service in the area of aviation and will enable it to fit more appropriately in the University's structure as an instructional unit in the College of Engineering. The alterations in the objectives of the Department of Aviation are reflected in a thoroughly revised list of courses which have been approved by the appropriate agencies of the University.

It is therefore recommended that the above proposal to change the name of the School of Aviation to the Department of Aviation be approved.

Upon motion of Mr. Bricker, seconded by Mr. Davis, the above recommendation was unanimously approved by roll call vote.

B. Establishment of a Department of Pharmacology in the College of Medicine

The Faculty Council on March 12, 1963 approved the recommendation adopted by the Faculty of the College of Medicine and endorsed by the Council on Instruction that:

- (1) A Department of Pharmacology be established in the College of Medicine.
- (2) The instructional program of the proposed Department of Pharmacology be that which is offered at present by the Division of Pharmacology in the Department of Physiological Chemistry and Pharmacology.
- (3) The name of the Department of Physiological Chemistry and Pharmacology be changed to the Department of Physiological Chemistry.

I. GENERAL RECOMMENDATIONS (continued)

B. Establishment of a Department of Pharmacology  
in the College of Medicine (continued)

The proposal to establish a Department of Pharmacology in the College of Medicine culminates the long development of pharmacology as an independent discipline in the Department of Physiological Chemistry and Pharmacology. In 95 per cent of the Colleges of Medicine in this country the discipline of pharmacology is administered through independent departments. Within the last five years the Division of Pharmacology has greatly strengthened its research and teaching programs for both medical and graduate students.

It is therefore recommended that the above action of the Faculty Council be approved, effective July 1, 1963.

Upon motion of Mr. Davis, seconded by Mr. Rairdon, the above recommendation was unanimously approved by roll call vote.

C. Recommendation for the Benjamin G. Lamme Meritorious  
Achievement Medal - William Royal Chambers

The Committee on Honorary Degrees and Awards of the College of Engineering, with the unanimous endorsement of the Faculty of the College of Engineering, has nominated William Royal Chambers, Mechanical Engineering Consultant, Knoxville, Tennessee, for the Benjamin G. Lamme Meritorious Achievement Medal to be awarded at the June Commencement, 1963.

It is therefore recommended that this nomination be approved by the Board of Trustees.

Upon motion of Mr. Bricker, seconded by Mr. Rairdon, the above recommendation was unanimously approved by roll call vote.

D. Clarification of Policy on Retirement of  
Principal Administrative Officers

It is recommended that section (d) in the resolution of the Board of Trustees adopted on February 6, 1959 upon the report and recommendation of the Committee on Retirement and Insurance be amended for the purpose of clarification to read as follows:

(d) That the principal administrative officers, other than the President and the Vice Presidents, who are relieved of their assignments pursuant hereto, following the attainment of age 65, and who do not continue in the service of the University or University-related units, shall receive a supplemental retirement benefit from the University sufficient in amount to bring their total annual retirement benefits from the State Retirement System, the University's Annuity Plan and the University's Supplemental Plan to the amount that they would have received had they retired following the attainment of age 70. If pursuant to section (a), above, a principal administrative officer chooses to remain in the employment of the University or University-related units after the attainment of age 65, he shall continue to be eligible for a supplemental retirement benefit at the time of his retirement if he

I. GENERAL RECOMMENDATIONS (continued)

D. Clarification of Policy on Retirement of  
Principal Administrative Officers (continued)

agrees to serve on a year-to-year basis with continued service subject to review at the end of each contract year. This supplemental retirement benefit shall be an amount sufficient to bring total annual retirement benefits including benefits from the State Retirement System, the University's Annuity Plan and the University Supplemental Plan to the amount which would have been received had the principal administrative officer retired at age 65.

Upon motion of Mr. Allyn, seconded by Mr. Bricker, the above recommendation was unanimously approved by roll call vote.

E. Rule Relating to Duplication of Keys

In accordance with the authority of Section 3345.13, Ohio Revised Code, it is recommended that the following Rule relating to the duplication of keys be adopted:

61.07. Duplication of Keys.

Except as specifically authorized by the President, no person shall knowingly make or cause to be made any key for any building, laboratory, facility, or room of the University.

Upon motion of Mr. Davis, seconded by Mr. Rairdon, Rule 61.07 was adopted by the Board of Trustees by unanimous roll call vote, and the Secretary was authorized to include this Rule in the Rules for the University Faculty.

F. Clarification of Policy Statement on Patentable  
Discoveries or Inventions

In accordance with the request of the Board of Trustees, further study has been given to the policy of granting to the inventor a share of the profits from a discovery or invention. As a result of the findings of the study conducted by the Patent Committee under the leadership of the Vice President for Research, Dr. Alfred B. Garrett, it is recommended that the patent royalty to the inventor be normally 15 per cent of the gross income and that the Policy Statement Relating to Patentable Discoveries or Inventions by Faculty or Staff adopted by the Board of Trustees on October 12, 1962, be revised accordingly.

For the purpose of clarification, it is further recommended that the following statement be added to the next to the last paragraph in the above referred to Policy Statement:

The distinction between an invention on University time or in a University research program and an invention unrelated to University research or apart from University work may be difficult to define in generalization to cover all possible cases. In most cases the distinction should be clear; however, those doubtful cases will be referred for study and recommendation to the

I. GENERAL RECOMMENDATIONS (continued)

F. Clarification of Policy Statement on Patentable Discoveries or Inventions (continued)

Committee authorized to advise the President on such matters. It shall be the responsibility of the faculty member properly to guard against a "conflict of interests" in each case and to keep official records of research concepts as they are conceived and are developed.

Upon motion of Mr. Davis, seconded by Mr. Rairdon, the Board of Trustees by unanimous roll call vote approved the above recommendations to revise the Policy on Patentable Discoveries or Inventions by Faculty or Staff.

G. Rule Relating to Rights to and Interests in Patentable Discoveries and Inventions

It is hereby recommended that the following Rule relating to rights to and interests in patentable discoveries and inventions resulting from research or investigation conducted in any facility of The Ohio State University be adopted and included in the Rules for the University Faculty:

63.00. PATENT RIGHTS

63.01. Rights to and Interests in Patentable Discoveries and Inventions.

Section 1. Pursuant to the provisions of Section 3345.14, Ohio Revised Code, all rights to and interests in patentable discoveries and inventions resulting from research or investigation conducted in any facility of The Ohio State University shall be and are the sole property of the University and may be assigned or otherwise disposed of by the Board of Trustees.

Section 2. The Board of Trustees deems it in the best interest of the University, its faculty and staff and in the interest of the promotion of research and development to provide for participation by faculty and staff members in the proceeds of patentable discoveries and inventions conceived by them. The Board of Trustees further believes that the best interest of the University will be served by providing a means whereby the University may acquire, develop, perfect, sell, assign and otherwise deal in patents, patentable discoveries and inventions, and all rights therein and proceeds therefrom.

Section 3. The President of the University is hereby empowered and authorized, after receiving the advice of a committee of University faculty and administrative personnel which he shall appoint, to:

I. GENERAL RECOMMENDATIONS (continued)

G. Rule Relating to Rights to and Interests in Patentable Discoveries and Inventions (continued)

- a. Determine in each individual case whether a patentable discovery or invention resulted from research or investigation conducted in any facility of the University and therefore is the property of the University pursuant to Section 3345.14, Ohio Revised Code.
- b. Establish rules governing the extent to which faculty or staff members shall participate in the proceeds of discoveries and inventions conceived by them and belonging to the University, and determine the measure of participation in individual cases.
- c. Act upon the matter of whether a patentable discovery or invention which is the property of the University has a sufficient value or is of a sufficient interest to the University to warrant its retention; or, whether the same should be relinquished to such faculty or staff member for a consideration or without consideration, or shall be otherwise dealt with.
- d. Acquire on behalf of the University, by agreement, on such terms and conditions as he deems appropriate, interests in patentable discoveries and inventions of faculty or staff members in those situations in which it shall have been determined that the discovery or invention does not otherwise belong to the University.
- e. Determine whether to pursue the patentability and development of discoveries and inventions which are the property of or are acquired by the University, including authority to enter into agreements on behalf of the University with The Ohio State University Research Foundation or any private individual or firm and to employ patent counsel under appointment and authority of the Attorney General of Ohio for the purpose of perfecting patent rights and carrying out development of discoveries and inventions.
- f. Sell, assign, convey or grant any such patentable discoveries and inventions or any rights or shares in such discoveries and inventions or the proceeds thereof, on behalf of The Ohio State University, to such persons, firms or governmental agencies for such consideration or upon such terms and conditions,

I. GENERAL RECOMMENDATIONS (continued)

G. Rule Relating to Rights to and Interests in  
Patentable Discoveries and Inventions (continued)

including dedication to the public, as shall be  
deemed by him to be proper and in the best  
interest of the University.

Upon motion of Mr. Bricker, seconded by Mr. Davis, Rule 63.01 was adopted  
by the Board of Trustees by unanimous roll call vote, and the Secretary was  
authorized to include this Rule in the Rules for the University Faculty.

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II. PERSONNEL CHANGES

It is recommended that all personnel changes since the March 14, 1963 meeting  
of this Board, as recorded in the official "Salary Roll" of the University, be  
approved by the Board. These changes include the following Appointments,  
Leave of Absence With Salary, and Emeritus Titles:

A. Appointments

William G. Pace, Assistant Dean of the College of Medicine  
and Director of the Center for Continuing Medical Education,  
College of Medicine, effective March 1, 1963. Dr. Pace will  
continue as an Assistant Professor in the Department of  
Surgery. This appointment involves no change in salary for  
the 1962-63 fiscal year.

Edward J. Taaffe, Professor and Chairman, Department of  
Geography, effective June 16, 1963, at a salary of \$17,868.00  
per annum.

Harold C. Trimble, Professor, Department of Education,  
effective June 1, 1963, at a salary of \$12,768.00 per annum.

Louis G. McCullough, Assistant Football Coach, Department  
of Athletics, effective April 1, 1963, at a salary of \$11,568.00  
per annum.

Hugh D. Hindman, Jr., Assistant Football Coach, Department  
of Athletics, effective April 1, 1963, at a salary of \$10,068.00  
per annum.

B. Leave of Absence With Salary

In accordance with the policy approved by the Board of Trustees on April 12,  
1954, the following-named person is recommended for Leave of Absence  
With Salary from the Agricultural Extension Service for the period indicated:

Karl V. Clemons, Instructor (Area Extension Agent, Farm and  
Home Development) Defiance, Fulton, Henry, Paulding, and  
Williams Counties, effective May 1, 1963 through June 15, 1963,  
to study at The Ohio State University.

## II. PERSONNEL CHANGES (continued)

### C. Emeritus Titles

Fred A. Carlson, Geography, with the title Professor Emeritus, effective July 1, 1963.

Jay N. Edmondson, Industrial Engineering, with the title Professor Emeritus, effective July 1, 1963.

Upon motion of Mr. Davis, seconded by Mr. Rairdon, the Appointments, Leave of Absence With Salary, Emeritus Titles, and the personnel changes recorded in the official "Salary Roll" of the University were unanimously approved by roll call vote, and the Secretary was instructed to file these changes in the "Salary Roll" with the official documents of the University.

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## III. GENERAL CONTRACTS AND AGREEMENTS

### A. The Ohio State University and The Ohio State University Research Foundation

In accordance with the Memorandum of Agreement between The Ohio State University and The Ohio State University Research Foundation approved by this Board on September 5, 1950, it is recommended that the research agreements for the following projects administered through the Research Foundation be approved and recorded in the minutes of this meeting.

#### 1. Government Contracts - Federal

- a. Headquarters, U. S. Army Armor Center, Central Purchasing and Contracting Division, Fort Knox, Kentucky, for Research and Scientific Studies for the Combat Development Program (to be known as U. S. Army Armor Center Project No. 573 - Mod. #19 - Engineering Experiment Station).  
Gross Value - \$23,000.00.
- b. U. S. Atomic Energy Commission, Chicago Operations Office, 9800 South Cass Avenue, Argonne, Illinois, for an Investigation of Specific Heat Determinations of Pure, Solid Para Deuterium (to be known as U. S. Atomic Energy Commission Project No. 761 - Sup. #7 - Department of Chemistry).  
Gross Value - \$38,027.00.
- c. U. S. Atomic Energy Commission, Chicago Operations Office, 9800 South Cass Avenue, Argonne, Illinois, for an Investigation of Low Energy Nuclear Physics (to be known as U. S. Atomic Energy Commission Project No. 807 - Sup. #7 - Department of Physics).  
Gross Value - \$50,000.00.



April 12, 1963 meeting, Board of Trustees

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

- d. Headquarters, Electronic Systems Division, AFSC, Laurence G. Hanscom Field, Bedford, Massachusetts, for a Study of Emission Spectra by Phase-discrimination Methods (to be known as Electronic Systems Division Project No. 1078 - Mod. #6 - Department of Physics).  
Gross Value - \$9,983.00.
- e. U. S. Atomic Energy Commission, Chicago Operations Office, 9800 South Cass Avenue, Argonne, Illinois, for an Investigation of High-Resolution Infrared Spectra of Tritium and Deuterium Substituted Molecules (to be known as U. S. Atomic Energy Commission Project No. 1098 - Sup. #3 - Department of Physics).  
Gross Value - \$28,815.00.
- f. Classified Program (to be known as Classified Program Project No. 1222 - Sup. #4 - Department of Electrical Engineering).  
Gross Value - \$174,932.00.
- g. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Synthesis of Polynuclear Aromatic Compounds (to be known as National Institutes of Health Project No. 1229 - Ext. #2 - Department of Chemistry).  
Gross Value - \$27,120.00.
- h. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Etiology of Congenital Dislocation of the Hip (to be known as National Institutes of Health Project No. 1270 - Ext. #2 - Department of Surgery).  
Gross Value - \$15,652.00.
- i. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for Endocrine Studies of the Anovulatory Ovary (to be known as National Institutes of Health Project No. 1274 - Ext. #2 - Department of Medicine).  
Gross Value - \$24,479.00.
- j. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Spontaneous and Experimental Endometrial Carcinoma (to be known as National Institutes of Health Project No. 1281 - Ext. #2 - Department of Pathology).  
Gross Value - \$18,096.00.

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

- k. Headquarters, Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, for an Investigation of Spectroscopic Analysis of Plasma Flow (to be known as Aeronautical Systems Division Project No. 1390 - Sup. #2 - Department of Aeronautical and Astronautical Engineering).  
Gross Value - \$38,000.00.
- l. Headquarters, Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, for Research on the Application of the Luneberg Lens to ECM Antenna Systems (to be known as Aeronautical Systems Division Project No. 1394 - Mod. #3 - Department of Electrical Engineering).  
Gross Value - \$60,000.00.
- m. Headquarters, Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, for Research Associated with Hypersonic Aerothermodynamic Simulation (to be known as Aeronautical Systems Division Project No. 1413 - Sup. #2 - Department of Aeronautical and Astronautical Engineering).  
Gross Value - \$67,911.00.
- n. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Self-administered Procedures in Speech and Hearing (to be known as National Institutes of Health Project No. 1414 - Ext. #1 - Department of Speech).  
Gross Value - \$45,196.00.
- o. Headquarters, Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, for Research of Eutectoid Reactions in Metal Alloys (to be known as Aeronautical Systems Division Project No. 1440 - Sup. #4 - Department of Metallurgical Engineering).  
Gross Value - \$54,810.00.
- p. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Alterations in Steroidal Patterns at Adolescence (to be known as National Institutes of Health Project No. 1458 - Ext. #1 - Children's Hospital).  
Gross Value - \$13,790.00.
- q. Department of the Navy, Office of Naval Research, Washington 25, D. C., for Research on Mandarin Phonology (to be known as Office of Naval Research Project No. 1465 - Amend. #3 - Department of English).  
Gross Value - \$30,249.00.

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

- r. Headquarters, Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, for Ion Sheath Propagation Studies (to be known as Aeronautical Systems Division Project No. 1565 - New - Department of Electrical Engineering).  
Gross Value - \$99,957.00.
- s. Headquarters, Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, for Research on Techniques for Integration of Active Elements into Antennas and Antenna Structure (to be known as Aeronautical Systems Division Project No. 1566 - New - Department of Electrical Engineering).  
Gross Value - \$99,930.00.
- t. Headquarters, Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, for an Investigation of Plasma Noise Temperature Measurements (to be known as Aeronautical Systems Division Project No. 1573 - New - Departments of Aeronautical and Astronautical Engineering and Electrical Engineering).  
Gross Value - \$120,000.00.
- u. Classified Program (to be known as Classified Program Project No. 1579 - New - Department of Electrical Engineering).  
Gross Value - \$300,000.00.
- v. Department of Health, Education and Welfare, Office of Education, Washington 25, D. C., for an Investigation of the Influence of Vision Training Upon the Subsequent Reading Achievement of Fourth Grade Children (to be known as Office of Education Project No. 1603 - New - Department of Psychology).  
Gross Value - \$70,438.00.
- w. Department of Health, Education and Welfare, Office of Education, Washington 25, D. C., for an Investigation of the Sequential Characteristics of Language (to be known as Office of Education Project No. 1607 - New - Department of Psychology).  
Gross Value - \$37,548.00.
- x. Headquarters, Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, for Research on Man-Machine Systems (to be known as Aeronautical Systems Division Project No. 1612 - New - Department of Psychology).  
Gross Value - \$319,920.00.
- y. Electronic Systems Division, AFSC, Laurence G. Hanscom Field, Bedford, Massachusetts, for Research Directed Toward the Analysis of Global and Special Gravity Measurements (to be known as Electronic Systems Division Project No. 1613 - New - Department of Geodetic Science).  
Gross Value - \$90,000.00.

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

- z. National Science Foundation, Washington 25, D. C., for an Investigation of Geology of Central Queen Maud Range, Antarctica (to be known as National Science Foundation Project No. 1615 - New - Institute of Polar Studies).  
Gross Value - \$32,200.00.
- aa. National Science Foundation, Washington 25, D. C., for A Symposium on Molecular Structure and Spectroscopy (to be known as National Science Foundation Project No. 1616 - New - Department of Physics).  
Gross Value - \$2,875.00.
- bb. Base Procurement Division, Building 120, Area C, Wright-Patterson Air Force Base, Ohio, for 4" Hypersonic Wind Tunnel Installation (to be known as Base Procurement Division Project No. 1617 - New - Department of Aeronautical and Astronautical Engineering).  
Gross Value - \$85,000.00.
- cc. Electronic Systems Division, AFSC, Laurence G. Hanscom Field, Bedford, Massachusetts, to Perform Research on the High Resolution Infrared Spectroscopy of Molecules (to be known as Electronic Systems Division Project No. 1619 - New - Department of Physics).  
Gross Value - \$13,000.00.

TOTAL - Government Contracts - Federal \$1,990,928.00

2. Industrial and Other Contract

- a. Shuler and Benninghofen, Hamilton, Ohio, for an Investigation of Reactions and Treatments of Wool to Improve Its Properties (to be known as Shuler and Benninghofen Project No. 632 - Ext. #9 - Department of Chemistry).  
Gross Value - \$19,350.00.

The foregoing thirty contracts for research in cooperation with Government, Industry and Other represent a gross income of \$2,010,278.00.

Upon motion of Mr. Davis, seconded by Mr. Rairdon, the research agreements between The Ohio State University and The Ohio State University Research Foundation for the above contracts were unanimously approved.

B. The Report of the Research Contracts  
from the Engineering Experiment Station

During the period from March 2, 1963 through March 29, 1963, the Engineering Experiment Station of The Ohio State University entered into the following research contracts. These research contracts are reported to the Board of Trustees for information and record.

April 12, 1963 meeting, Board of Trustees

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

B. The Report of the Research Contracts  
from the Engineering Experiment Station

1. Government Research Contracts

EES 189 Ext. #2	A Study of Roadside Maintenance and Its Effect in Highway Design and Construction, Ohio Department of Highways, Columbus, Ohio, Bureau of Public Roads, Department of Commerce, Washington, D. C. Gross Value - \$29,400.00.
EES 202 Ext. #2	Electronic Devices as Traffic Aids, Ohio Department of Highways, Columbus, Ohio, Bureau of Public Roads, Department of Commerce, Washington, D. C. Gross Value - \$524,640.00.
EES 226	To Evaluate Existing Methods and/or Develop Improved Methods for the Measurement of Certain Properties of Concrete, National Academy of Sciences (Highway Research Board) Washington, D. C. Gross Value - \$78,840.00.
EES 227	Sensing and Communications between Vehicles, National Academy of Sciences (Highway Research Board) Washington, D. C. Gross Value - \$64,800.00.
EES 229	Effects of Illumination on Operating Characteristics of Freeways (Drive Response, Visibility and Visual Discomfort), National Academy of Sciences (Highway Research Board) Washington, D. C. Gross Value - \$60,000.00.

TOTAL - Government Research Contracts \$757,680.00

2. Industrial Research Contracts

EES 225	A Study of Control and Warning Devices at Urban Intersections, Automotive Safety Foundation, Washington, D. C. Gross Value - \$20,000.00.
EES 228	Evaluation of Effects of Enzyme Products on the Efficacy of Operation of Biological Sewage Treatment Processes, Rohm and Haas Company, Philadelphia, Pennsylvania. Gross Value - \$8,875.00.

TOTAL - Industrial Research Contracts \$28,875.00

The foregoing seven contracts for research in the Engineering Experiment Station represent a gross income of \$786,555.00.

#### IV. GRANTS AND GIFTS

The following grants and gifts to the University are hereby reported for the record and appropriate expression of appreciation has been conveyed:

##### A. Administered Through the Office of Business and Finance

1. \$173,744.00 granted by the Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, to the University for "General Research Support," under the direction of Dr. Richard L. Meiling, Dean of the College of Medicine, for the period January 1, 1963 through December 31, 1963. (Grant 1 S01-FR-05109-01)
2. \$36,427.00 granted by the Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, to the University for "Otolaryngology Training," under the direction of Dr. William B. Saunders, Department of Otolaryngology, for the period March 1, 1963 through June 30, 1964. (Grant 1 T1 NB 5397-01)
3. \$20,660.00 granted by the National Science Foundation to the University for support of an "In-Service Institute in Science and Mathematics for Secondary School Teachers of Science and Mathematics," under the direction of Fred R. Schlessinger, Department of Education. This grant terminates on or about June 30, 1964. (Grant GE-1720)
4. \$15,552.00 granted by the Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, to the University for "Training Program in Experimental Pathology," under the direction of Dr. Emmerich von Haam, Department of Pathology, for the period May 1, 1963 through June 30, 1964. (Grant 1T1 GM-1062-01 - Formerly 2G-1062)
5. \$11,130.00 granted by the National Science Foundation to the University for support of an "In-Service Institute in Physics for Secondary School Teachers of Science and Mathematics," under the direction of William R. Riley, Department of Physics. This grant terminates on or about June 30, 1964. (Grant GE-1504)

TOTAL - Through the Office of Business and Finance \$257,513.00

##### B. Received Through the Development Fund

1. \$25,000.00 from the Estate of Mrs. Harry W. Vanneman to be added to the Harry W. Vanneman Memorial Fund which was established June 15, 1962.

(This brings the total funds deposited in the Harry W. Vanneman Memorial Fund to \$27,100.00.)

April 12, 1963 meeting, Board of Trustees

IV. GRANTS AND GIFTS (continued)

B. Received Through the Development Fund (continued)

2. \$13,500.00 from the Edward Orton, Jr. Ceramic Foundation--\$5,000.00 to be added to the Edward Orton Jr. Ceramic Foundation Fellowship in Ceramics and \$8,500.00 to the Ceramic Engineering Department for the purchase of x-ray equipment.
3. \$7,181.00 from the Charles F. High Foundation, Bucyrus, Ohio, for undergraduate scholarships.
4. \$3,869.50 from the Estate of Edith M. Shanton, deceased, for the Edith M. Shanton Memorial Fund.

Edith M. Shanton Memorial Fund

The Edith M. Shanton Memorial Fund was established April 12, 1963, by a bequest under Item Eleven of the Last Will and Testament of Edith M. Shanton, deceased, in memory of herself and her late husband, Edwin C. Shanton, and in honor of Dr. William N. Taylor and Dr. Robert N. Watman (now deceased).

The principal amount of said bequest, \$3,869.50, is to be deposited with the Treasurer of The Ohio State University and by him invested in accordance with rules and regulations adopted by the Board of Trustees of the University, with right to invest and reinvest as occasion dictates.

The income and any part or all of the principal shall be used as follows: one-half for research and treatment of cancer and one-half for research and treatment of tuberculosis.

5. \$1,000.00 from the Guernsey County Cancer Society for cancer research in the College of Medicine.

TOTAL - Through the Development Fund \$50,550.50

Upon motion of Mr. Bricker, seconded by Mr. Allyn, the above report of grants and gifts was accepted, and the Secretary was instructed to include the report in the minutes of this meeting.

C. Report from The Ohio State University Development Fund

In March, 1963, The Ohio State University Development Fund received gifts on behalf of the University as follows:

	<u>Number of Gifts</u>	<u>Amount</u>
Alumni	187	\$ 7,181.33
Individuals, Other Than Alumni	55	1,094.50
Non-Profit Organizations	33	63,608.90
Business Concerns	23	31,514.21
	<u>298</u>	<u>\$103,398.94</u>

April 12, 1963 meeting, Board of Trustees

#### IV. GRANTS AND GIFTS (continued)

##### C. Report from The Ohio State University Development Fund (continued)

Of these gifts, 69 totaling \$718.50 were undesignated and 229 totaling \$102,680.44 were designated.

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#### V. APPROPRIATIONS AND TRANSFER OF FUNDS

##### A. Appropriations for the Development of Research Projects

At the request of the Vice President for Research, and with the concurrence of the Vice President for Business and Finance and the Cabinet, it is recommended that the following amounts be appropriated from the University Treasurer Research Subaccounts as designated, for the projects named:

\$5,000.00 to the Department of Mechanical Engineering for research equipment. This is in the form of an Industrial-Educational matching fund for equipment valued at approximately \$30,000.00 from the General Electric Company

Subaccount (f)

\$8,000.00 to the Department of Psychology to replace worn out equipment to match \$5,000.00 to be supplied by the College of Education

\$4,000.00 from

Subaccount (f)

\$4,000.00 from

Subaccount (a)

\$5,400.00 to the Department of Ceramic Engineering to purchase research x-ray equipment to match \$7,950.00 from the Orton Foundation

Subaccount (f)

Upon motion of Mr. Rairdon, seconded by Mr. Davis, the above recommendation for appropriation of funds was unanimously approved by roll call vote.

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#### VI. PLANS AND SPECIFICATIONS

With the approval of the Council on Business Affairs, and with the concurrence of the Cabinet, it is recommended that the plans and specifications, bills of materials and estimates of cost for the following projects be approved by the Board of Trustees:

##### A. Housing for Metallurgical and Mineralogical Laboratories

An addition to the Chemical Engineering Building consists of a basement, four floors and a mechanical equipment penthouse. Gross area, 29,085 sq. ft. - 34 laboratories, 11 offices and 1 conference room.



VI. PLANS AND SPECIFICATIONS (continued)

A. Housing for Metallurgical and Mineralogical Laboratories (continued)

Funds will be provided from H.B. 1123, S.B. 592, the National Science Foundation and an appropriation from the University Treasurer Research Account.

B. Research Space - East Side of Stadium (Phase II)

This project includes the finishing of space for offices, laboratories, observation areas, a library and a conference room for the Personnel Research Board.

Funds will be provided from the University Treasurer Research Subaccount (f).

C. Repairs to Heating System at The Ohio State University Golf Course Club House

The Club House furnace is worn out. A new furnace is being installed which will burn gas instead of oil.

Funds will be provided from the Athletic Revenue Fund.

D. Repairs to Space for Institute of Nutrition and Food Technology

It is necessary to repair and rework 870 sq. ft. of space to provide a Graduate Research Laboratory.

Funds will be provided from the University Treasurer Research Subaccount (b).

E. Repairs in Research Center, Area 200/300 Geodetic Science

Some partitioning is to be repaired along with lighting and ceiling work. A few partitions must be removed.

Funds will be provided from Budget Account 19932, Research Center Remodeling, Geodetic Science.

F. Repair and Replace Curbs on Campus

Much curbing disintegrated in the severe winter weather. It must be repaired or replaced as the case may be.

Funds will be provided from the Maintenance Appropriation for 1963-64.

G. Repair and Resurface Sidewalks on Campus

Hundreds of square feet of sidewalk have disintegrated or have sunken or need resurfacing as a result of the severe winter weather. This project undertakes to correct this situation.

Funds will be provided from the Maintenance Appropriation for 1963-64.

April 12, 1963 meeting, Board of Trustees

VI. PLANS AND SPECIFICATIONS (continued)

H. Repair Streets on Campus

Much paving on campus disintegrated during the winter. In some instances, little more than the stone base remains. These spots must be repaired, cracks must be filled, etc.

Funds will be provided from the Maintenance Appropriation for 1963-64.

I. Repair Sidewalks Around Ohio Union

Winter damage to walks must be repaired.

Funds will be provided from the Maintenance Appropriation for 1963-64.

J. Miami University - The Ohio State University Dayton Campus, Phase I

Plans and specifications for Phase I (First Academic Building) are now ready for bid.

Funds for this project will be provided from Account 91017 OSU-Miami Dayton Campus. Funds in this account have been or will be provided as a gift from the Dayton Community for this purpose through the Combined University Fund Committee.

Upon motion of Mr. Davis, seconded by Mr. Bricker, the above recommendation was unanimously approved by roll call vote, and the Secretary was authorized and directed to sign the plans and specifications for the above projects for and on behalf of the Board of Trustees. Vice President Carson was directed to proceed with a request for bids in the normal University manner and if satisfactory bids are received, to proceed with the award of contracts. All action regarding this matter shall be reported to the Board of Trustees at a later meeting.

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VII. CONTROLLING BOARD AND EMERGENCY BOARD APPROVALS

Each numbered approval shown below accomplishes the following purposes:

A. Controlling Board Approvals

- 66 Authorizes the award of the General Contract for Repairs to Room 148, University Hospital, without further competitive bidding and the expenditure of \$35,135.00 to provide for the contracts, architects fees, engineers fees and miscellaneous expenses from Hospital Rotary.
- 78 Authorizes the expenditure of \$30,650.00 from Item 750 Land Purchases, H.B. 1123, to provide funds for the purchase of property located at 168-172 West Frambes Avenue, Columbus, Ohio.

VII. CONTROLLING BOARD AND EMERGENCY BOARD APPROVALS (continued)

A. Controlling Board Approvals (continued)

- 79 Authorizes the expenditure of \$31,000.00 from Item 750 Land Purchases, H.B. 1123, to provide funds for the purchase of property located at 158 and 162 West Frambes Avenue, Columbus, Ohio.
- 80 Authorizes the expenditure of \$400.00 from Item 750 Land Purchases, H.B. 1123, for real estate appraisers fees.
- 81 Authorizes the expenditure of \$13,500.00 from Item 750 Land Purchases, H.B. 1123, to provide funds for the purchase of property located at 150 West Frambes Avenue, Columbus, Ohio.
- 82 (Resubmittal of Request No. 76) Approves the award of an extra order to the General Contract for University Airport Hangar #4 to provide extra height for the rear hangar door. This extra order is in the amount of \$2,992.00 and funds are provided from Item 801, H.B. 1123.

B. Emergency Board Approval

- 4 Authorizes the amendment of Emergency Board Application 414 to approve the purchase of two additional parcels of property with the balance of \$30,500.00 in this account.

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VIII. MISCELLANEOUS FROM OFFICE OF BUSINESS AND FINANCE

A. Repairs of Room 136, McPherson Laboratory

It is recommended that Louis F. Karlsberger & Associates, Architects, Columbus, Ohio, be employed to provide complete architectural and engineering services for this project; this work to include preliminary plans, basic drawings, working drawings, specifications, estimate of cost, necessary bidding documents and complete supervision of construction.

The fee for this service will be calculated on a percentage basis of 8 per cent of the contract cost or an estimated fee of \$3,460.00.

Funds will be provided from Budget Account 19933 Remodeling McPherson Laboratory.

Upon motion of Mr. Davis, seconded by Mr. Rairdon, the above recommendation was unanimously approved by roll call vote.

VIII. MISCELLANEOUS FROM OFFICE OF BUSINESS AND FINANCE (continued)

B. University Hospital - Repairs in 4th Floor Operating Rooms

It is recommended that Louis F. Karlsberger & Associates, Architects, Columbus, Ohio, be employed to provide a feasibility study with preliminary drawings and estimate of cost.

The fee for this service will be \$450.00 and funds will be provided from University Hospital Rotary.

Upon motion of Mr. Allyn, seconded by Mr. Davis, the above recommendation was unanimously approved by roll call vote.

C. Purchase of Buildings and Property, 171-171 1/2 West Lane Avenue

It is recommended that the Vice President, Business and Finance, be authorized to proceed with the purchase of the following property from Ruth E. Peters at a price of \$11,000.00:

Property known as 171 and 171 1/2 West Lane Avenue, being Lot #234, R. P. Woodruff's Agricultural College Addition, City of Columbus, County of Franklin, State of Ohio.

Funds will be provided from Item 750 Land Purchases, H.B. 1123.

Upon motion of Mr. Davis, seconded by Mr. Rairdon, the above recommendation was unanimously approved by roll call vote.

D. Purchase of Buildings and Property, 150 West Frambes Avenue

It is recommended that the Vice President, Business and Finance, be authorized to proceed with the purchase of the following property from C. Russell Thompson at a price of \$11,500.00:

Property known as 150 West Frambes Avenue, being Lot #179, R. P. Woodruff's Agricultural College Addition, City of Columbus, County of Franklin, State of Ohio.

Funds are available in Item 750, Land Purchases, H.B. 1123.

Upon motion of Mr. Davis, seconded by Mr. Rairdon, the above recommendation was unanimously approved by roll call vote.

E. Starling-Loving Hall, Repairs to Room M-100

It is recommended that Wright, Gilfillen & Keske, Architects, Columbus, Ohio, be employed to provide complete architectural and engineering services for this project; including preliminary plans, basic drawings, specifications, estimate of cost, necessary bidding documents, and complete supervision of construction.

VIII. MISCELLANEOUS FROM OFFICE OF BUSINESS AND FINANCE (continued)

E. Starling-Loving Hall, Repairs to Room M-100 (continued)

The fee for this service will be calculated on a percentage basis of 10 per cent of the contract cost or an estimated fee of \$4,685.00.

Funds will be provided from the University Hospital Rotary.

Upon motion of Mr. Rairdon, seconded by Mr. Bricker, the above recommendation was unanimously approved by roll call vote.

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IX. RESOLUTION IN MEMORIAM

President Fawcett reported to the Board the death of Edith D. Cockins, Registrar Emeritus, and in accordance with instructions of the Board of Trustees, a copy of the following resolution expressing on behalf of the University the sorrow and sympathy of the Board has been furnished to the family of the deceased.

A. Edith D. Cockins

The Board of Trustees expresses its sorrow at the death on March 15, 1963 of Edith D. Cockins, Registrar Emeritus.

It is a singular coincidence that the life of Edith D. Cockins began with that of the University which she served faithfully in so many capacities. She was born the year the University opened and became actively identified with it in 1888 as a student in the Preparatory Department. Thus began a life-long connection with the University which ended only with her death at the age of 89. She was graduated with the class of 1894 and studied as a graduate student the following year. In 1895 she entered the employ of the University as record clerk. In 1897 she was appointed Registrar, an office she filled capably and with distinction until her retirement in 1944. During the years of her service, she handled many University responsibilities, both official and unofficial, with equal competence and thoroughness.

In 1938-39 in recognition of her election as president of the American Association of Collegiate Registrars, a faculty dinner was held in her honor where she declared that this was "the only place in the United States that such a thing could happen." More importantly, she pointed out that "on this campus no door has ever been closed to women," citing the fact that from its first day women students had been admitted "on the same terms as men."

But this condition went far beyond the mere admission of women students. The fact that women members of the staff were respected and were recognized for their personal and professional achievements was due in large measure to the prime example set by Miss Cockins herself. She was not only a good administrator in a post of major responsibility, but she was a leader in both campus affairs and a wide variety of other fields.

IX. RESOLUTION IN MEMORIAM (continued)

A. Edith D. Cockins (continued)

Her potential for leadership was forecast in her student days. She was a charter member of her sorority, a member of the staff of the Lantern and the Makio, and a critic and later president of the Browning Dramatic Society.

In 1897 when Miss Cockins became Registrar, she alone kept the entire records for the 968 students then enrolled. From the very first she began to make what became her outstanding reputation for meticulousness, for accuracy, for thoroughness, and for dependability in any task that was assigned to her. In all she and her staff ultimately handled the records for nearly 60,000 students.

Miss Cockins served the University under five of its eight presidents and under several acting presidents. While continuing as Registrar, she was made University Editor and Secretary of the Faculty in 1914, Director of the Alumni Records Division in 1929, and found time to serve as Acting Secretary of The Ohio State University Association during its reorganization in 1911-1912. In World War I she made all class schedules for the three military schools in the campus, a task that took three days of her time each week.

For many years she played an active role in the affairs of the Alumni Association. She was credited with being the originator and first chairman of the annual observance of both "Ohio State Day" and the alumni "Sunset Supper." Over the years she was a close friend of Ralph D. Mershon, '91, and her friendship and influence with him were partly instrumental in the multi-million dollar Mershon bequest coming to the University. It was especially fitting, therefore, that the University later commissioned her to write the Mershon biography, including a volume of his professional papers, and to serve as curator of the Mershon papers. In her characteristic manner she attacked this project with vigor. The two Mershon volumes were published in 1956, and only last fall she took pride in conducting a tour of the special Mershon Room in the Auditorium where, as a result of her labors, Mr. Mershon's papers are now arranged and preserved along with other Mershon memorabilia.

In 1949 the University conferred upon her the honorary degree of Doctor of Administration. She was the seventh woman upon whom the University had conferred an honorary degree.

Miss Cockins was president of an organization of college women in Columbus, which later became the local chapter of the American Association of University Women. She served this Association as its local and state president. After her retirement she was national housing chairman of her sorority, Kappa Alpha Theta, and in that capacity visited chapters from coast to coast.

The printed program at the faculty dinner in honor of her being elected national president of the registrars spoke of this "signal recognition" of her professional capacities and added that thereby the University "enjoyed a

IX. RESOLUTION IN MEMORIAM (continued)

A. Edith D. Cockins (continued)

reflected distinction." It referred also to "her distinguished and constructive service" to the University and emphasized "the larger significance of her contributions to higher education generally." To this reference could be added the fact that through her warm human qualities she made friends for the University in whatever circles she moved.

The stature of Edith D. Cockins grew steadily with the years, and it did not diminish with her retirement. Her faculties remained clear, and the University and other interests continued to have the benefit of her energy, her enthusiasm, her devotion, and her wisdom. She made for herself a unique and influential place in the development and continuing growth of the University and left it in her eternal debt.

On behalf of the entire University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It is directed that this resolution be inscribed upon the minutes of the Board of Trustees.

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X. REPORTS

A. Reports from the Finance and Investment Committee

1. Negotiations for Interim Financing for  
Improvement of Power Plant Capacity

Mr. Allyn, a member of the Finance and Investment Committee, presented the following resolution:

WHEREAS, The Ohio State University Power Plant capacity is dangerously low due to the increased facilities on the campus and the age of the boilers; and

WHEREAS, a crisis could occur next winter if any of the existing power plant units should fail, making it impossible to heat the entire campus; and

WHEREAS, The Ohio State University is seeking funds from a capital improvement appropriation or bond issue for this improvement;

NOW, THEREFORE, BE IT RESOLVED, that the President and Vice President, Business and Finance, of The Ohio State University, and each of them are hereby authorized and directed to negotiate legal interim financing commitments to obtain financing for improvement of the Power Plant capacity under such terms and conditions as the officer acting shall deem advisable and not unfavorable to the University.

X. REPORTS (continued)

A. Reports from the Finance and Investment Committee (continued)

1. Negotiations for Interim Financing for  
Improvement of Power Plant Capacity (continued)

FURTHER, BE IT RESOLVED, that said officers and each of them are authorized to enter into such agreements and to execute and deliver such promissory notes or other evidences of indebtedness and to secure such indebtedness upon such terms as the officer acting shall deem appropriate and not unfavorable to the University.

Upon motion of Mr. Allyn, seconded by Mr. Davis, the above resolution was unanimously adopted by roll call vote.

2. Negotiation of Interim Financing for Miami University - The Ohio State University Dayton Campus, Phase I (First Academic Building)

Mr. Allyn presented the following statement and resolution:

On March 15, 1962, the Board of Trustees of The Ohio State University authorized the President to proceed in cooperation with Miami University in the development of plans for a jointly operated Dayton Campus. The necessary site has been acquired and the plans and specifications drawn for the construction of the first building for this joint facility.

Funds for this building are being provided from resources obtained in a fund-raising campaign by the Combined University Building Fund Committee of Dayton. However, these pledges are being paid over a three-year period and it is necessary to certify that funds are presently available before the Department of Public Works can advertise these plans for bid. It has, therefore, become necessary to arrange a revolving line of credit so that we may diligently pursue the early completion of this project.

NOW, THEREFORE, BE IT RESOLVED, that the President and Vice President, Business and Finance, of The Ohio State University, and each of them are hereby authorized and directed to negotiate an interim loan for this project upon such terms and conditions as the officer acting shall deem advisable and not unfavorable to the University except that it shall be a condition of said loan that it will under no circumstances be repaid from resources other than those supplied the University through the fund-raising campaign of the Combined University Building Fund Committee of Dayton.

FURTHER RESOLVED, that said officers and each of them are authorized to enter into such agreements and to execute and deliver such promissory notes or other evidences of indebtedness and to secure such indebtedness upon such terms as the officer acting shall deem appropriate and not unfavorable to the University.

Upon motion of Mr. Allyn, seconded by Mr. Bricker, the above statement and resolution were unanimously adopted by roll call vote.



X. REPORTS (continued)

A. Reports from the Finance and Investment Committee (continued)

3. Report on the Investment Portfolio

The report on the University's Investment Portfolio dated March 31, 1963 was presented to the Board of Trustees. The Secretary was instructed to file a copy of the report with the official records of the Board of Trustees

B. Report on Highlights of Campus Activities

In concluding the meeting, President Fawcett reviewed some of the highlights of campus activities during the past month as compiled by the Executive Director, Office of University Relations.

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RETIREMENT OF TRUSTEE FORREST G. KETNER

Mr. John W. Bricker expressed the following sentiments concerning the retirement of Mr. Forrest G. Ketner from the Board of Trustees upon the expiration of his term of office on May 13, 1963:

Since this is the last regular meeting of the Board for Mr. Ketner to serve as member and chairman, it is indeed appropriate that the records of this meeting include an expression of the Board's sincere appreciation and deep gratitude for his constructive, conscientious, and able service to the University. He has served on the Board of Trustees for fourteen years by the appointment of two governors of different political affiliations. It should also be noted with high commendation that Mr. Ketner was chairman of the Board seven years ago, and that he very capably guided the Board in the arduous deliberations which led to the wise selection of Dr. Fawcett for the Presidency of this great University. We shall greatly miss Mr. Ketner's service on this Board; however, we are hopeful that the warm personal relationships which have developed through these past fourteen years shall continue for many years to come.

Other members of the Board then added personal expressions of commendation and appreciation for the pleasure which has come from the service on the Board with Mr. Ketner.

President Fawcett, speaking on behalf of the University administrative officers, faculty, and staff followed with an expression of high tribute and appreciation for Mr. Ketner's dedicated and effective service to The Ohio State University and the citizens of Ohio during his two terms as a member of the Board of Trustees.

Mr. Ketner responded as follows:

I deeply appreciate your kind and thoughtful sentiments concerning our relationships during the period of my service on the Board. Our joint efforts in service to the University have been very pleasant and challenging, and I trust reasonably profitable to The Ohio State University. With the expiration of my term of office on May 13, I will officially end an

April 12, 1963 meeting, Board of Trustees

RETIREMENT OF TRUSTEE FORREST G. KETNER (continued)

association with the University which started as an institute lecturer in December 1917 and as one of the first County Extension Agents in 1918. I am sincerely grateful for the kind considerations and courtesies extended to me by many members of the University family and especially the members of the Board, the President, and his Cabinet officers. These personal contacts and very pleasant relationships shall be held in high esteem, and I shall undoubtedly be returning to the University in an unofficial capacity on many occasions. Thank you very much.

(Mr. Ketner was appointed by Governor Frank J. Lausche to the Board of Trustees on July 29, 1949 to succeed Mr. James Lincoln whose term expired July 28, 1949, and he was reappointed by Governor C. William O'Neill on June 26, 1956 for a term ending May 13, 1963.)

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Thereupon the Board adjourned to meet Friday, May 17, 1963, at the University at ten o'clock.

Attest:

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John T. Mount  
Secretary

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Forrest G. Ketner  
Chairman

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THE OHIO STATE UNIVERSITY  
OFFICIAL PROCEEDINGS OF THE  
NINE HUNDRED AND EIGHTIETH MEETING  
OF THE BOARD OF TRUSTEES

Columbus, Ohio, May 17, 1963

The Board of Trustees met at its regular monthly meeting on Friday, May 17, 1963, at The Ohio State University, Columbus, Ohio, pursuant to adjournment.

Present: Thomas F. Patton, Chairman, Smith L. Rairdon, Alan B. Loop, Jacob E. Davis, Stanley C. Allyn, John W. Bricker, and Carlton S. Dargusch.

Mr. Patton introduced the new member of the Board, Carlton S. Dargusch, who was appointed by Governor James A. Rhodes on January 23, 1963 and confirmed by the Senate on February 4, 1963 for the term beginning May 14, 1963 and expiring May 13, 1970.

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The minutes of the last meeting were approved.

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Upon the request of the Chairman, Mr. Patton, President Fawcett introduced a distinguished visitor from India, Mr. P. N. Thapar, Vice Chancellor of Punjab Agricultural University. Mr. Thapar is on an executive visit studying the administrative organization and operation of this University. The Punjab Agricultural University is one of the new institutions of higher education which is being established through the cooperative efforts of representative faculty members of The Ohio State University, serving under a contract between the Agency for International Development under the U. S. Department of State and the Government of India. Mr. Thapar is the first chief executive of Punjab Agricultural University and is in the process of selecting faculty and staff for his institution.

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ELECTION OF OFFICERS

Upon motion of Mr. Davis, seconded by Mr. Bricker, the Board of Trustees elected the following officers whose term of office shall be effective immediately and shall continue through the May meeting of the Board of Trustees in 1964:

Chairman - Thomas F. Patton

Vice Chairman - Smith L. Rairdon

Secretary - John T. Mount

Treasurer - Gordon B. Carson

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President Fawcett presented the following recommendations:

I. GENERAL RECOMMENDATIONS

A. Naming of Building - Bradford Commons

Upon the proposal of Mr. Frederick Stecker, Executive Director, University Relations, after consultation with appropriate administrative officers of the University, it is recommended that the dining facility located at 153 West Twelfth Avenue be named "Bradford Commons," in memory of Joseph N. Bradford, a member of the University's sixth graduating class who joined the faculty in 1885 and who became the first University Architect in 1911.

This proposal has the concurrence of the President's Cabinet and is in accordance with the By-Laws of the Board of Trustees. It is hereby recommended for your approval.

Upon motion of Mr. Dargusch, seconded by Mr. Davis, the Board of Trustees by unanimous vote approved the naming of the dining facility located at 153 West Twelfth Avenue as "Bradford Commons."

B. Degrees and Certificates Conferred - Spring Quarter Convocation

It is recommended that degrees and certificates be conferred at the Spring Quarter Convocation on June 7, 1963 to those students who have completed the requirements for their respective degrees and certificates and are recommended by the Faculty Council. The names of those awarded degrees and certificates will be included in the minutes of this meeting. (See Appendix V, page 399.)

Upon motion of Mr. Rairdon, seconded by Mr. Davis, the above recommendation was unanimously approved by roll call vote.

C. Distinguished Service Awards

The President's Cabinet which serves as the Committee on Distinguished Service Awards has nominated the following-named persons to receive the Distinguished Service Award at the August 23, 1963 Commencement:

Thomas A. Boyd  
Harold E. Burt  
Dan H. Eikenberry  
Forrest G. Ketner  
Samuel Renshaw

Upon motion of Mr. Davis, seconded by Mr. Bricker, the above recommendation was unanimously approved by roll call vote.

May 17, 1963 meeting, Board of Trustees

I. GENERAL RECOMMENDATIONS (continued)

D. Revision of Don Scott Field Master Plan

The Board of Trustees on January 13, 1961 approved a document identified as the "Master Plan for the Future Development of the Don Scott Field" and four accompanying maps as a general guide for the future development of the University's facilities at Don Scott Field. Subsequently, the following developments have taken place which require modification of the documents approved on January 13, 1961:

1. The Board of Trustees on February 16, 1962 adopted a master plan for the main campus area which recommended the relocation of certain research barns and pastures on new sites in the vicinity of Don Scott Field.
2. The Federal Aviation Agency has requested certain technical modifications in the accompanying maps.
3. One new hangar building has been constructed.
4. Plans have been made for a future arboretum on certain hilly land purchased to safeguard the approaches to the runways.

The 1961 master plan document and maps have been revised accordingly. It is therefore recommended that the document identified as the "Revised Master Plan for the Future Development of the Don Scott Field" and the six maps related thereto, all dated May 17, 1963, be approved.

Upon motion of Mr. Bricker, seconded by Mr. Allyn, the above recommendation was unanimously approved by roll call vote, and the Secretary was instructed to file the "Revised Master Plan for the Future Development of the Don Scott Field" and the six accompanying maps with the official records of the Board of Trustees.

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II. PERSONNEL CHANGES

It is recommended that all personnel changes since the April 12, 1963 meeting of this Board, as recorded in the official "Salary Roll" of the University, be approved by the Board. These changes include the following Promotion, Appointments, Leave of Absence With Salary, Leaves of Absence Without Salary, and Emeritus Titles:

A. Promotion

Clinton V. Oster, University Controller, Office of Business and Finance, effective October 1, 1963, at a salary of \$16,572.00 per annum. Dr. Oster will continue as a Professor in the Department of Economics at No Salary.

II. PERSONNEL CHANGES (continued)

B. Appointments

Paul MacMinn, Assistant Dean for Student Personnel, College of Education, effective August 1, 1963, at a salary of \$14,868.00 per annum. Dr. MacMinn is also to be appointed as a Professor in the Department of Psychology at No Salary.

Robert C. Stephenson, Professor, Department of Geology, effective September 1, 1963, at No Salary. (The Board of Directors of The Ohio State University Research Foundation has approved the appointment of Dr. Stephenson to the position of Executive Director of The Ohio State University Research Foundation, effective September 1, 1963, at a salary of \$19,668.00 per annum.)

C. Leave of Absence With Salary

In accordance with the policy approved by the Board of Trustees on April 12, 1954, the following-named person is recommended for Leave of Absence With Salary from the Agricultural Extension Service for the period indicated:

Pauline H. Vetter, Instructor (County Extension Agent, Home Economics) Defiance County, effective June 16, 1963 through July 31, 1963, to study at George Washington University.

D. Leaves of Absence Without Salary

John W. Sharp, Professor (part time - 44%), Agricultural Economics and Rural Sociology, effective June 1, 1963 through May 31, 1964, to direct the agricultural economics research in the area of food storage and processing in foreign countries for Weitz-Hettelsater Engineers of Kansas City, Missouri.

Everett M. Rogers, Associate Professor (part time - 25%), Agricultural Economics and Rural Sociology, effective July 1, 1963 through June 30, 1964, to serve as a Fulbright Professor at the University of Colombia, Bogota, Colombia, South America.

E. Emeritus Titles

Charles L. Blackman, Agricultural Extension Service, with the title Professor (Extension Specialist, Dairy Science) Emeritus, effective May 1, 1963.

Viva B. Boothe, Bureau of Business Research, with the title Professor Emeritus, effective July 1, 1963.

William E. Dickerson, Accounting, with the title Professor Emeritus, effective July 1, 1963.



II. PERSONNEL CHANGES (continued)

E. Emeritus Titles (continued)

John A. Miller, Zoology and Entomology, with the title Professor Emeritus, effective July 1, 1963.

Karl W. Stinson, Mechanical Engineering, with the title Professor Emeritus, effective July 1, 1963.

Emily L. Stogdill, Psychology, with the title Professor Emeritus, effective August 1, 1963.

Ruth Streitz, Education, with the title Professor Emeritus, effective October 1, 1963.

Geneva Watson, Women's Physical Education, with the title Professor Emeritus, effective July 1, 1963.

Adolph E. Waller, Botany and Plant Pathology, with the title Associate Professor Emeritus, effective July 1, 1963.

Edward N. Cook, College of Dentistry, with the title Assistant Professor Emeritus, effective October 1, 1963.

Charles L. Williams, College of Pharmacy, with the title Assistant Professor Emeritus, effective July 1, 1963.

Upon motion of Mr. Davis, seconded by Mr. Rairdon, the Promotion, Appointments, Leave of Absence With Salary, Leaves of Absence Without Salary, Emeritus Titles, and the personnel changes recorded in the official "Salary Roll" of the University were unanimously approved by roll call vote, and the Secretary was instructed to file these changes in the "Salary Roll" with the official documents of the University.

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III. GENERAL CONTRACTS AND AGREEMENTS

A. The Ohio State University and  
The Ohio State University Research Foundation

In accordance with the Memorandum of Agreement between The Ohio State University and The Ohio State University Research Foundation approved by this Board on September 5, 1950, it is recommended that the research agreements for the following projects administered through the Research Foundation be approved and recorded in the minutes of this meeting.

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

1. Government Contracts - Federal

- a. Headquarters, Electronic Systems Division, AFSC, Laurence G. Hanscom Field, Bedford, Massachusetts, for Design and Construction of a Luminous Shock Tube for Quantitative High Temperature Spectrographic Investigations of the Basic Parameters (to be known as Electronic Systems Division Project No. 845 - Sup. #9 - Department of Astronomy).  
Gross Value - \$12,500.00.
- b. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Synthesis and Reactions of Diazocycloalkanes and Diazo Steroids (to be known as National Institutes of Health Project No. 918 - Ext. #3 - Department of Chemistry).  
Gross Value - \$12,550.00.
- c. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Metabolism in the Hypothermic By-Passed Heart (to be known as National Institutes of Health Project No. 1100 - Sup. dtd. 4/22/63 - Department of Surgery).  
Gross Value - \$26,104.00.
- d. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for a Servo-analytic Study of the Myotatic Reflex System (to be known as National Institutes of Health Project No. 1101 - Ext. #3 - Department of Physiology).  
Gross Value - \$11,908.00.
- e. U. S. Atomic Energy Commission, Chicago Operations Office, 9800 Cass Avenue, Argonne, Illinois, for an Investigation of New Tracer Techniques for Evaluating the Effects of an Insecticide on the Ecology of a Forest Fauna (to be known as U. S. Atomic Energy Commission Project No. 1207 - Sup. #3 - Department of Zoology and Entomology).  
Gross Value - \$1,190.00.
- f. Classified Program (to be known as Classified Program Project No. 1223 - Sup. #5 - Department of Electrical Engineering).  
Gross Value - \$69,999.00.
- g. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of The Factors Determining Cardiac Output in Man (to be known as National Institutes of Health Project No. 1254 - Ext. #2 - Department of Medicine).  
Gross Value - \$16,976.00.

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

- h. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for Studies with Influenza Vaccination (to be known as National Institutes of Health Project No. 1257 - Ext. #2 - Department of Medicine). Gross Value - \$24,771.00.
- i. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Tube Pedicle Survival (to be known as National Institutes of Health Project No. 1269 - Ext. #2 - Department of Surgery). Gross Value - \$12,522.00.
- j. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Mechanical and Physical Factors in Abdominal Trauma (to be known as National Institutes of Health Project No. 1275 - Ext. #2 - Department of Surgery). Gross Value - \$9,490.00.
- k. Headquarters, Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, for (u) Research on Integrated Radome-Scanner Design Techniques (to be known as Aeronautical Systems Division Project No. 1382 - Sup. #4 - Department of Electrical Engineering). Gross Value - \$40,000.00.
- l. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Cardiac and Renal Dynamics (to be known as National Institutes of Health Project No. 1441 - Ext. #1 - Department of Veterinary Physiology and Pharmacology). Gross Value - \$12,156.00.
- m. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for A Study of Oscillatory Blood Flow (to be known as National Institutes of Health Project No. 1447 - Ext. #1 - Department of Physiology). Gross Value - \$10,145.00.
- n. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Man-Machine Compatibility in Very Low Altitude Flight (to be known as National Institutes of Health Project No. 1454 - Ext. #1 - Engineering Experiment Station and Department of Psychology). Gross Value - \$38,858.00.

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

- o. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Nervous System Elements in Tissue Culture (to be known as National Institutes of Health Project No. 1457 - Ext. #1 - Departments of Pathology and Psychiatry).  
Gross Value - \$26,598.00.
- p. U. S. Army Materiel Command, Harry Diamond Laboratories, Washington 25, D. C., for an Investigation of Semiconductor Properties Affected by Acceleration (to be known as U. S. Army Materiel Command Project No. 1471 - Mod. #5 - Department of Electrical Engineering).  
Gross Value - \$2,450.00.
- q. Air Force Institute of Technology, Air University, United States Air Force, Wright-Patterson Air Force Base, Ohio, for Research and Services to Revise and Present Courses of Instruction in Graduate Logistics, School of Logistics Short Courses (to be known as Air Force Institute of Technology Project No. 1498 - Sup. #2 and #3 - Defense Management Center).  
Gross Value - \$64,446.00.
- r. Headquarters, Air Force Office of Scientific Research, Office of Aerospace Research, Washington 25, D. C., for Computer Taxonomy (to be known as Air Force Office of Scientific Research Project No. 1514-A - New - Department of Sociology and Anthropology).  
Gross Value - \$2,400.00.
- s. U. S. Army Biological Laboratories, Fort Detrick, Frederick, Maryland, for an Investigation of Mixed Aerosol Infections in Monkeys (to be known as U. S. Army Biological Laboratories Project No. 1576 - New - Department of Medicine).  
Gross Value - \$25,000.00.
- t. Headquarters, Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, for Research on the Properties of Electromagnetic and Magnetic Materials at Cryogenic Temperatures (to be known as Aeronautical Systems Division Project No. 1620 - New - Department of Physics).  
Gross Value - \$36,500.00.
- u. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Pituitary Regulation as a Function of Its Blood Flow (to be known as National Institutes of Health Project No. 1621 - New - Department of Psychiatry).  
Gross Value - \$13,078.00.

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

- v. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Neuro-respiratory Reflexes (to be known as National Institutes of Health Project No. 1627 - New - Department of Psychiatry).  
Gross Value - \$5,863.00.
- w. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of the Nature of Conditioned Renal Responses (to be known as National Institutes of Health Project No. 1628 - New - Department of Psychiatry).  
Gross Value - \$17,496.00.
- x. Department of Health, Education and Welfare, Vocational Rehabilitation Administration, Washington 25, D. C., for Language Retraining for Aphasics (to be known as Vocational Rehabilitation Administration Project No. 1630 - New - Department of Speech).  
Gross Value - \$23,394.00.
- y. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Physiologic Factors Affecting Glutamic Dehydrogenase (to be known as National Institutes of Health Project No. 1631 - New - Department of Physiology).  
Gross Value - \$13,849.00.
- z. National Science Foundation, Washington 25, D. C., for Purchase of Electron Microscope (to be known as National Science Foundation Project No. 1632 - New - Department of Metallurgical Engineering).  
Gross Value - \$36,600.00.
- aa. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Genetic Bases of Behavior Differences (to be known as National Institutes of Health Project No. 1633 - New - Department of Zoology and Entomology).  
Gross Value - \$12,277.00.
- bb. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Enzyme Characterization in Hemolytic Anemias (to be known as National Institutes of Health Project No. 1634 - New - Department of Physiological Chemistry and Pharmacology).  
Gross Value - \$22,180.00.

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

- cc. Headquarters, Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, for Intermittent Research Analysis Services in Flight Control (to be known as Aeronautical Systems Division Project No. 1635 - New - Internal Supervision).  
Gross Value - \$6,000.00.
- dd. Cleveland Procurement District, U. S. Army, 1367 East Sixth Street, Cleveland 14, Ohio, for Stellar Background Measurement Program (to be known as Cleveland Procurement District Project No. 1636 - New - Department of Astronomy).  
Gross Value - \$98,500.00.
- ee. National Science Foundation, Washington 25, D. C., for an Investigation of Recent History and Development of Glacial Features in Upper Muir Inlet, Glacier Bay, Alaska (to be known as National Science Foundation Project No. 1639 - New - Institute of Polar Studies).  
Gross Value - \$14,200.00.
- ff. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Highly Strained Nitrogen Heterocyclics (to be known as National Institutes of Health Project No. 1640 - New - Department of Chemistry).  
Gross Value - \$9,856.00.
- gg. Classified Program (to be known as Classified Program Project No. 1641 - New - Department of Electrical Engineering).  
Gross Value - \$99,961.00.
- hh. National Science Foundation, Washington 25, D. C., for an Investigation of Paleoecology of Pleistocene Non-Marine Mollusca (to be known as National Science Foundation Project No. 1642 - New - Department of Geology).  
Gross Value - \$18,500.00.

TOTAL - Government Contracts - Federal \$848,317.00

2. Industrial and Other Contracts

- a. Firestone Tire & Rubber Company, Akron 17, Ohio, for an Investigation of Health Hazards of Certain Compounds and Products (to be known as Firestone Tire & Rubber Co. Project No. 246 - Ext. #17 - Department of Pathology).  
Gross Value - \$28,056.00.

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

2. Industrial and Other Contracts (continued)

- b. Charles F. Kettering Foundation, 42 North Main Street, Dayton 2, Ohio, for an Investigation of Radiation Factor in Photosynthesis (to be known as Charles F. Kettering Foundation Project No. 373 - Ext. #17 - Department of Physics).  
Gross Value - \$18,000.00.
- c. Anderson Pharmaceuticals, Division of M & R Dietetic Laboratories, Inc., 625 Cleveland Avenue, Columbus 16, Ohio, for an Investigation of Structure-Action Relationships in Local Anesthetics (to be known as Anderson Pharmaceuticals Project No. 1297 - Ltr. 3/21/63 - College of Pharmacy).  
Gross Value - \$1,000.00.
- d. The Ohio Podiatry Association, Suite 2340, 50 West Broad Street, Columbus 15, Ohio, for an Investigation of Anatomical Characteristic of Ankle Varus (to be known as The Ohio Podiatry Association Project No. 1614 - New - Department of Physical Education).  
Gross Value - \$1,500.00.
- e. The OSU Engineering Experiment Station, 156 West 19th Avenue, Columbus 10, Ohio, for A Study of Control and Warning Devices at Urban Intersections (to be known as OSU Engineering Experiment Station Project No. 1638 - New - Institute for Research in Vision).  
Gross Value - \$5,600.00.

TOTAL - Industrial and Other Contracts \$54,156.00

The foregoing thirty-nine contracts for research in cooperation with Government, Industry and Other represent a gross income of \$902,473.00.

Upon motion of Mr. Allyn, seconded by Mr. Dargusch, the research agreements between The Ohio State University and The Ohio State University Research Foundation for the above contracts were unanimously approved.

B. The Report of the Research Contracts  
from the Engineering Experiment Station

During the period from March 30, 1963 through May 3, 1963 the Engineering Experiment Station of The Ohio State University entered into the following research contracts. These research contracts are reported to the Board of Trustees for information and record.

1. Government Research Contract

EES 171      A Financial Report for the Ohio Department of Highways  
Ext. #5      Needs Study, Ohio Department of Highways, Columbus,  
                 Ohio, Bureau of Public Roads, Department of Commerce,  
                 Washington, D. C.  
                 Gross Value - \$5,000.00.

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

B. The Report of the Research Contracts  
from the Engineering Experiment Station

2. Industrial Research Contract

EES 230      Suitability and Potential Uses of Locally Produced Fly  
Ash as an Admixture in Portland Cement Concrete, The  
Ohio Electric Utility Institute, Columbus, Ohio.  
Gross Value - \$28,860.00.

The foregoing two contracts for research in the Engineering Experiment  
Station represent a gross income of \$33,860.00.

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IV. GRANTS AND GIFTS

The following grants and gifts to the University, including the establishment of  
certain endowment funds, are hereby reported for the record and appropriate  
expression of appreciation has been conveyed:

A. Administered Through the Office of Business and Finance

1. \$55,009.00 granted by the U. S. Department of Health, Education and  
Welfare, Public Health Service, National Institutes of Health, Bethesda  
14, Maryland, to the University for "Graduate Training in Clinical  
Psychology," under the direction of Dr. Julian B. Rotter, Department  
of Psychology, for the period July 1, 1963 through June 30, 1964.  
(Grant 5 T1 MH-5061-17 - Formerly 2M-5061-C16)
2. \$38,592.00 granted by the U. S. Department of Health, Education and  
Welfare, Public Health Service, National Institutes of Health, Bethesda  
14, Maryland, to the University for "Research Training in Social  
Sciences," under the direction of Dr. Raymond F. Sletto and Dr. Saad  
Z. Nagi, Department of Sociology and Anthropology, for the period  
July 1, 1963 through June 30, 1964. (Grant 5 T1 MH-7853-02 -  
Formerly 2M-7853-C1)
3. \$36,361.00 granted by the U. S. Department of Health, Education and  
Welfare, Public Health Service, National Institutes of Health, Bethesda  
14, Maryland, to the University for "Graduate Training in Psychiatric  
Social Work," under the direction of Mrs. Miriam E. Prince, School of  
Social Work, for the period July 1, 1963 through June 30, 1964.  
(Grant 2 T1 MH-6530-07 - Formerly 2M-6530-C6)
4. \$32,054.00 granted by the U. S. Department of Health, Education and  
Welfare, Public Health Service, National Institutes of Health, Bethesda  
14, Maryland, to the University for "Graduate Training in Social Work,"  
under the direction of Dr. Samuel P. Daykin, School of Social Work,  
for the period July 1, 1963 through June 30, 1964. (Grant 1 T1 MH-8254-  
01)



IV. GRANTS AND GIFTS (continued)

A. Administered Through the Office of Business and Finance (continued)

5. \$23,720.00 granted by the National Science Foundation to the University for support of an "Undergraduate Instructional Scientific Equipment Program," under the direction of Arthur D. Lynn, Jr., Department of Economics. This grant terminates April 30, 1965. (GE-2003)
6. \$22,500.00 granted by the National Science Foundation to the University for support of an "Undergraduate Instructional Scientific Equipment Program," under the direction of Wayne B. Parrish, Department of Zoology and Entomology. This grant terminates April 30, 1965. (GE-2255)
7. \$22,432.00 granted by the Department of Health, Education and Welfare, Office of Education, Washington 25, D. C., to the University for support of a "Grants-in-aid Program for Training Teachers of the Deaf under Public Law 87-276," under the direction of the College of Education, for the period July 1, 1963 through June 30, 1964.
8. \$20,000.00 granted by the National Science Foundation to the University for support of an "Undergraduate Instructional Scientific Equipment Program," under the direction of Howard J. Pincus, Department of Geology. This grant terminates April 30, 1965. (GE-2247)
9. \$20,000.00 granted by the National Science Foundation to the University for support of an "Undergraduate Instructional Scientific Equipment Program," under the direction of Frank L. Himes, Department of Agronomy. This grant terminates April 30, 1965.
10. \$15,144.00 granted by the U. S. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, to the University for "Graduate Training in Physiological Psychology," under the direction of Dr. Donald R. Meyer, Department of Psychology, for the period July 1, 1963 through June 30, 1964. (Grant 2 T1 MH-6748-06 - Formerly 2M-6748-C5)
11. \$1,944.00 granted by the U. S. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, to the University for "Graduate Training - Social Work Student Research Stipends," under the direction of Merriss Cornell, School of Social Work, for the period July 1, 1963 through June 30, 1964. (Grant 2 T1 MH-7507-03 - Formerly 2M-7507-C2)
12. \$1,840.00 granted by the U. S. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, to the University for "Graduate Training in Psychiatric Nursing," under the direction of Miss Florence M. Harvey, for the period July 1, 1963 through June 30, 1964. (Grant 2 T1 MH-6150-10 - Formerly 2M-6150-C9)

TOTAL - Through the Office of Business and Finance \$289,596.00

IV. GRANTS AND GIFTS (continued)

B. Received Through the Development Fund

1. \$18,522.71 from the American Medical Association Education Research Foundation for the College of Medicine.
2. \$10,000.00 from the Estate of Anna B. Limer, deceased, for the Anna B. Limer Memorial Fund.

Anna B. Limer Memorial Fund

The Anna B. Limer Memorial Fund was established April 16, 1963, by a bequest from Anna B. Limer. The principal is to be invested in the University's investment portfolio under rules and regulations adopted by the Board of Trustees of The Ohio State University, with right to invest and reinvest as occasion dictates.

The income is to be used at the discretion of the Board of Trustees for students needing financial assistance.

3. \$9,000.00 from the Ohio Lions Eye Research Foundation for research in the Institute for Research in Vision.
4. \$7,500.00 from the Lubrizol Foundation for fellowships in Chemistry and Chemical Engineering.
5. \$7,000.00 from The General Foods Fund, Inc. for fellowships in Home Economics.
6. \$5,000.00 from the Estate of Lulu B. Mesloh, deceased, for the Harry S. Mesloh Scholarship Fund.

Harry S. Mesloh Scholarship Fund

The Harry S. Mesloh Scholarship Fund was established April 10, 1963, by a bequest in the will of Mrs. Lulu B. Mesloh.

The principal is to be invested in the University's investment portfolio in accordance with rules and regulations adopted by the Board of Trustees of The Ohio State University.

The income is to be used for scholarships to students from Franklin County, Ohio, with grades averaged "B" or better who are studying in the field of Entomology and specializing in bees and apiary. The selection of the recipients shall be at the sole discretion of the Board of Trustees, who shall also determine the amount to be given, the time of said scholarships and all other matters in connection therewith.

7. \$5,000.00 from Smith, Kline and French Foundation for research in the College of Medicine.
8. \$1,000.00 from Western Electric Co., Inc. for purchase of equipment for Department of Mechanical Engineering.

TOTAL - Through the Development Fund \$63,022.71

IV. GRANTS AND GIFTS (continued)

C. Gift-in-Kind Received since the April 12, 1963 Meeting

1. One Beechcraft D-18-S Number A-401, completely equipped and in good operating condition from the General Motors Corporation, Detroit, Michigan, to the Board of Trustees of The Ohio State University.

Upon motion of Mr. Bricker, seconded by Mr. Allyn, the above report of grants and gifts, including the establishment of certain endowment funds, was accepted, and the Secretary was instructed to include the report in the minutes of this meeting.

D. Report from The Ohio State University Development Fund

In April, 1963, The Ohio State University Development Fund received gifts on behalf of the University as follows:

	<u>Number of Gifts</u>	<u>Amount</u>
Alumni	17,971	\$128,189.17
Individuals, Other Than Alumni	29	1,245.99
Non-Profit Organizations	43	116,390.25
Business Concerns	25	34,974.30
	<u>18,068</u>	<u>\$280,799.71</u>

Of these gifts, 16,492 totaling \$102,906.81 were undesignated and 1,576 totaling \$177,892.90 were designated.

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V. APPROPRIATIONS AND TRANSFER OF FUNDS

A. Orientation Program for New Faculty

Upon the recommendation of Dr. Frederic Heimberger, Vice President for Instruction and Dean of Faculties, and with the concurrence of the President's Cabinet, it is recommended that an amount not to exceed \$650.00 be appropriated from the University Treasurer General Fund to the Committee on Orientation of New Faculty Members, for the purpose of defraying the expenses for this orientation program.

Upon motion of Mr. Rairdon, seconded by Mr. Davis, the above recommendation for appropriation of funds was unanimously approved by roll call vote.

B. Appropriations for the Development of Research Projects

At the request of the Vice President for Research, and with the concurrence of the Vice President for Business and Finance and the Cabinet, it is recommended that the following amounts be appropriated from the University Treasurer Research Subaccounts as designated, for the projects named:

V. APPROPRIATIONS AND TRANSFER OF FUNDS (continued)

B. Appropriations for the Development of Research Projects (continued)

\$7,600.00 to provide funds for matching  
\$10,075.00 to be supplied by the Department  
of Metallurgical Engineering, College of  
Engineering, for research equipment for  
the Department of Metallurgical Engineering      Subaccount (f)

\$900.00 to provide funds for matching  
\$900.00 allocated by Ohio Wesleyan Uni-  
versity to purchase an astronomical  
spectrograph for the Department of  
Astronomy at Perkins Observatory      Subaccount (f)

Upon motion of Mr. Allyn, seconded by Mr. Rairdon, the above recommendation for appropriation of funds was unanimously approved by roll call vote.

C. Appropriation of Funds for Matching National Science Foundation Grants for Undergraduate Instructional Equipment

At the request of the Vice President for Instruction and Dean of Faculties, and with the concurrence of the Cabinet, it is recommended that the following amounts be appropriated from the University Treasurer Research Subaccounts as designated for matching National Science Foundation grants to the University for support of "Undergraduate Instructional Scientific Equipment Program" projects:

\$28,414.00 for the Department of Zoology  
and Entomology under the direction of  
Wayne B. Parrish to match \$22,500.00  
from NSF      Subaccount (f)

\$26,244.00 for the Department of Economics  
under the direction of Arthur D. Lynn, Jr.  
to match \$23,720.00 from NSF      Subaccount (f)

\$29,946.00 for the Department of Geology  
under the direction of Howard J. Pincus  
to match \$20,000.00 from NSF      Subaccount (f)

\$20,000.00 for the Department of Agronomy  
under the direction of Frank L. Himes to  
match \$20,000.00 from NSF      Subaccount (f)

Upon motion of Mr. Loop, seconded by Mr. Rairdon, the above recommendation for appropriation of funds was unanimously approved by roll call vote.

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VI. EXTRA ORDERS AND EXTENSIONS OF TIME TO CONTRACTS

At the request of the Council on Business Affairs, and with the concurrence of the Cabinet, it is recommended that the Extra Orders and Extensions of Time to Contracts as outlined below be approved by the Board of Trustees and submitted to the Director of Finance, State of Ohio, for approval and allocation of funds as indicated.

A. Student Housing, Buildings #4, 5 and 6 (Haverfield, Norton and Scott Houses)

Electrical Contract

It is recommended that six ironing outlets be provided in each of Storage Room S15 of Building #4, Storage Room S21 of Building #5, and Storage Room S15 of Building #6; change circuits as required in the panel boxes in Buildings #5 and 6; and change feeder breaker serving Panel BB in Building #5 from 50A-3P to 70A-3P.

Add     \$655.00

Funds will be provided from Dormitory Construction Funds.

B. Structure to House Van de Graaff Generator

Heating, Ventilating & Air Conditioning Contract

It is recommended that a steam condensate pump be provided in the boiler room for the condensate return from the new heating system.

Add     \$689.00

Funds will be provided from B/A 19916 Extra Orders and Architects Fees.

C. Campus Lighting for Eight Parking Areas

It is recommended that the original contract completion date of April 15, 1963, be extended to May 15, 1963. The unusually severe winter weather and difficult traffic conditions have caused a delay in the completion of this project.

D. Repairs to Room 148, University Hospital

It is recommended that the original completion date of March 15, 1963, for all contracts be extended to June 20, 1963. Bids were received for this project on December 28, 1962, but funds were not released by the Controlling Board until March 28, 1963, and work could not be started until April 1.

Upon motion of Mr. Bricker, seconded by Mr. Davis, the above recommendation was unanimously approved by roll call vote.

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## VII. PLANS AND SPECIFICATIONS

With the approval of the Council on Business Affairs, and with the concurrence of the Cabinet, it is recommended that the plans and specifications, bills of materials and estimates of cost for the following projects be approved by the Board of Trustees:

A. Six Inch Gas Line to The Ohio State University Laundry

Funds will be provided from B/A 75910 Laundry Rotary.

B. Repairs to Concrete Bridge Over Olentangy River

Funds will be provided from the Contract Repair Account in H. B. 711 after July 1.

C. Repair and Pointing of Masonry in Thirteen Buildings

Funds will be provided from the Contract Repair Account in H. B. 711 after July 1.

D. Repairs to Roofs on Ten Buildings

Funds will be provided from the Contract Repair Account in H. B. 711 after July 1 and from Dormitory Repair Funds.

E. Interior Painting and Patch Plastering of Six Buildings

Funds will be provided from the Contract Repair Account in H. B. 711 after July 1.

F. Exterior Painting of Eighteen Buildings

Funds will be provided from the Contract Repair Account in H. B. 711 after July 1 and from Dormitory Repair Funds.

G. Repairs to Electrical Distribution Systems in Five Buildings

Funds will be provided from the Contract Repair Account in H. B. 711 after July 1.

H. Starling Loving Hall, Repairs to Room M-100

Funds will be provided from University Hospital Rotary.

Upon motion of Mr. Bricker, seconded by Mr. Davis, the above recommendation was unanimously approved by roll call vote, and the Secretary was authorized and directed to sign the plans and specifications for the above projects for and on behalf of the Board of Trustees. Vice President Carson was directed to proceed with a request for bids in the normal University manner and if satisfactory bids are received, to proceed with the award of contracts. All actions regarding this matter shall be reported to the Board of Trustees at a later meeting.

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### VIII. REPORT OF AWARD OF CONTRACTS

In accordance with authorization provided by the Board of Trustees, the contracts for the following projects have been recommended for award and the action is hereby reported to the Board:

A. Repairs to Heating System at The Ohio State University Golf Course Club House

Bids were received on March 27, 1963 and the award of contract recommended to the lowest and best bidder as follows:

	<u>Low Bid</u>	<u>Est. of Cost</u>
(5 bids received)		
J. A. Myers (Columbus)	\$ 8,450.00	\$ 7,875.00

Funds will be provided from the Athletic Revenue Fund.

B. Miami University - The Ohio State University Dayton Campus, Phase I (First Academic Building)

Bids were received on May 9, 1963 and the award of contracts recommended to the lowest and best bidders as follows:

	<u>Low Bid</u>	<u>Est. of Cost</u>
<u>General Contract</u>		
(6 bids received)		
Knowlton Building Co. (Bellefontaine)		
Base Bid	\$1,064,800.00	\$1,036,086.00
Alt. G-2 Terrazzo Floors	19,600.00	20,874.00
Alt. G-3b Vinyl Asbestos Tile	4,100.00	9,540.00
Alt. G-4 Glare Reducing Glass	600.00	990.00
Alt. G-5 Masonry Waterproofing	1,700.00	2,715.00
Alt. G-7 Asphalt Paving for Drives and Parking Areas	37,300.00	59,500.00
Total	<u>\$1,128,100.00</u>	<u>\$1,129,705.00</u>

Plumbing Contract

(5 bids received)

Starco, Inc. (Dayton)		
Base Bid	\$ 83,800.00	\$ 92,980.00
Alt. P-1 Vacuum Cleaning System	4,123.00	3,590.00
Alt. P-4 Duplex Water Softener	300.00	400.00
Total	<u>\$ 88,223.00</u>	<u>\$ 96,970.00</u>

Mechanical Contract

(6 bids received)

Huffman-Wolfe Co. (Dayton)		
Base Bid	<u>\$ 249,444.00</u>	<u>\$ 307,355.00</u>

VIII. REPORT OF AWARD OF CONTRACTS (continued)

B. Miami University - The Ohio State University Dayton Campus,  
Phase I (First Academic Building) (continued)

	<u>Low Bid</u>	<u>Est. of Cost</u>
<u>Electrical Contract</u> (9 bids received)		
Bohn & Sneed (Dayton)		
Base Bid	\$ 131,470.00	\$ 155,920.00
Alt. E-1 Wiring for Vacuum Cleaning	457.00	500.00
Alt. E-4 Flood Lighting - Scheme 2	21,300.00	23,551.00
Alt. E-5 Pool Sprays	2,100.00	950.00
Total	<u>\$ 155,327.00</u>	<u>\$ 180,921.00</u>
<u>Utilities Contract</u> (1 bid received)		
B. G. Danis (Dayton)	<u>\$ 93,813.00</u>	<u>\$ 120,880.00</u>
<u>Elevator Contract</u> (3 bids received)		
Dover Elevator Co. (Cincinnati)	<u>\$ 26,678.00</u>	<u>\$ 31,500.00</u>
<u>Movable Partition Contract</u> (2 bids received)		
The Mills Co. (Cleveland)	<u>\$ 118,227.00</u>	<u>\$ 139,931.00</u>
Total All Contracts	<u>\$1,859,812.00</u>	<u>\$2,007,262.00</u>

Funds for this project will be provided from Account 91017 OSU-Miami Dayton Campus. Funds in this account have been or will be provided as a gift from the Dayton Community for this purpose through the Combined University Fund Committee.

Upon motion of Mr. Bricker, seconded by Mr. Loop, the above award of contracts and expenditure of funds were approved and the action of the Vice President, Business and Finance, ratified by unanimous roll call vote.

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IX. CONTROLLING BOARD APPROVALS

Each numbered approval shown below accomplishes the following purposes:

- 84 Authorizes the expenditure of \$11,000.00 from Account 750 Land Purchases, H. B. 1123, to provide funds for the purchase of property at 171-171 1/2 West Lane Avenue.
- 85 Certifies that \$530,000.00 is available to proceed with the Urban Renewal
- 86 project in the area bounded by High Street, Woodruff Avenue, Neil Avenue and Lane Avenue to provide land for residence halls.

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May 17, 1963 meeting, Board of Trustees

**X. MISCELLANEOUS FROM OFFICE OF BUSINESS AND FINANCE**

**A. Sale of Property - 194 King Avenue, Columbus, Ohio**

The Board of Trustees of The Ohio State University acquired title to property located at 194 King Avenue, Columbus, Ohio, by certificate of transfer of the Probate Court, Franklin County, Ohio, on August 1, 1962. The property was transferred as a result of a bequest in The Last Will and Testament of May Lynas Bibbee. It was her wish that the property be used for the benefit of student nurses for the first ten years. Since the house would require an expenditure of over Fifteen Thousand Dollars for renovation, remodeling and furnishing to provide satisfactory housing for student nurses and is located at such distance from the campus that it would be undesirable for student nurses to walk to and from the house during the night hours, it was deemed desirable to determine whether the Board of Trustees could legally sell this property. It is the opinion of the Attorney General of the State of Ohio that the Board of Trustees may sell this property. The wish of Mrs. Bibbee could be honored by using the proceeds from the sale in the acquisition and furnishing of another house more suitably located for the use of student nurses.

Therefore, it is recommended that the Vice President, Business and Finance, be authorized to publicly advertise for a period of not less than one week the sale of property described as follows:

Being Lots No. 1 and 2 of Elizabeth J. McMillan's subdivision in the City of Columbus, Ohio, as the same are designated and delineated on the plat of said subdivision in the Recorder's Office, Franklin County, Ohio, in Plat Book No. 3, Page No. 334, and commonly known as 194 King Avenue, Columbus, Ohio.

It is further recommended that sealed bids for the purchase of said property shall be received at a designated time as advertised but no sooner than twenty-eight calendar days following first public advertisement; that bids be opened and read publicly; and the sale of the property shall be made to the highest and best bidder on a net cash basis, as determined by the Vice President, Business and Finance, who shall be authorized to reject any and all bids.

It is further recommended that the Secretary of the Board of Trustees be authorized to execute a deed conveying title to the property to the highest and best bidder with the net proceeds of this sale to be applied to the purchase, furnishing, operation and maintenance of the house located at 182 West Tenth Avenue, Columbus, Ohio.

Upon motion of Mr. Allyn, seconded by Mr. Davis, the above recommendation was unanimously approved by roll call vote.

**B. Purchase of Property - 182 West 10th Avenue, Columbus, Ohio**

The property located at 182 West 10th Avenue, being part of Reserve "B" of University Heights Addition to the above said city as the same is numbered and described upon the recorded plat thereof, of record in Plat Book 4, Page 255, Recorder's Office, Franklin County, Ohio, is available for purchase from Midwest Business Consultant, Inc., at a price of \$36,500.00 including furnishings.

X. MISCELLANEOUS FROM OFFICE OF BUSINESS AND FINANCE (continued)

B. Purchase of Property - 182 West 10th Avenue, Columbus, Ohio (continued)

This property is within the area encompassed in the Campus Master Plan and its purchase at this time will aid in the future development of the area. Until all properties in this area have been acquired and the Campus Master Plan realized, the property can be utilized for housing student nurses as a replacement for 194 King Avenue.

It is, therefore, recommended that the Vice President, Business and Finance, be authorized to proceed with the purchase of the above described property in the name of the Board of Trustees of The Ohio State University at a price not to exceed \$36,500.00. Funds are available in the University Treasurer General Fund which can be used for interim financing. It is understood that the net proceeds realized from the sale of 194 King Avenue will be deposited in the above account except that all funds, if any, in excess of the \$36,500.00 will be deposited in a special account for the maintenance and improvement of the student nurses residence.

Upon motion of Mr. Bricker, seconded by Mr. Davis, the above recommendation was unanimously approved by roll call vote.

C. University Hospital, IBM Installation

It is recommended that the original contract for engineering services with Ralph J. Kramer, Comer & Passe for the above project be supplemented and the maximum fee raised from \$2,000.00 to \$3,072.50. The original contract was based on an estimated project cost of \$21,000.00. The scope of the work was increased to an estimated contract cost of \$42,000.00, but the total of the low bids was \$30,725.00. The new maximum is based on ten per cent of the bids. Funds are available in University Hospital Rotary.

Upon motion of Mr. Rairdon, seconded by Mr. Allyn, the above recommendation was unanimously approved by roll call vote.

D. Demolition of Buildings

Upon the request of the Vice President, Business and Finance, and with the concurrence of the Cabinet, it is recommended that all buildings located on the following property be demolished as soon as practical:

2445 Wood Avenue

This demolition will be accomplished in the normal University manner.

Upon motion of Mr. Loop, seconded by Mr. Rairdon, the above recommendation was unanimously approved.

X. MISCELLANEOUS FROM OFFICE OF BUSINESS AND FINANCE (continued)

E. Demolition of Buildings

Upon the request of the Vice President, Business and Finance, and with the concurrence of the Cabinet, it is recommended that miscellaneous buildings at the Lakeholm Farm be demolished as soon as practical. The specific buildings to be demolished will be determined by the Dean of the College of Agriculture and Home Economics. This demolition will be accomplished in the normal University manner.

Upon motion of Mr. Davis, seconded by Mr. Rairdon, the above recommendation was unanimously approved.

F. Purchase of Buildings and Property, 180 West Frambes Avenue

It is recommended that the Vice President, Business and Finance, be authorized to proceed with the purchase of the following property from Vernie Cline at a price of \$11,200.00:

Property known as 180 West Frambes Avenue, being  
Lot #186, R. P. Woodruff's Agricultural College  
Addition, City of Columbus, County of Franklin, State  
of Ohio.

Funds are available in Item 750 Land Purchases, H.B. 1123.

Upon motion of Mr. Davis, seconded by Mr. Loop, the above recommendation was unanimously approved by roll call vote.

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XI. RESOLUTIONS IN MEMORIAM

President Fawcett reported to the Board the deaths of Paul Morris Hatfield, Clinical Instructor in the Department of Medicine; Alfred John Philby, Associate Professor of Engineering Drawing; Joseph Ralph Shank, Professor Emeritus of Civil Engineering; Guybert Phillips Cahoon, Professor Emeritus of Education; Bruce Helmick Edgington, Professor Emeritus of Veterinary Preventive Medicine; H. Gordon Hayes, Professor Emeritus of Economics; and Kazuo Kawai, Professor of Political Science; and, in accordance with the instructions of the Board of Trustees, copies of the following resolutions expressing on behalf of the University the sorrow and sympathy of the Board have been furnished the families of the deceased.

A. Paul Morris Hatfield

The Board of Trustees expresses its sorrow at the death on March 11, 1963 of Paul Morris Hatfield, Clinical Instructor in the Department of Medicine.

The name of "Hatfield" has long been an honored and revered one in the field of Medicine at The Ohio State University and in the community which it serves. Although Paul Hatfield was less than forty years of age, he upheld

XI. RESOLUTIONS IN MEMORIAM (continued)

A. Paul Morris Hatfield (continued)

the tradition of his family. He served the community of Franklin County for thirteen years in the private practice of Internal Medicine while contributing generously of his time as a clinical instructor in the College of Medicine at The Ohio State University.

Paul Morris Hatfield was born December 24, 1923 in Columbus, Ohio, the second son of the late Dr. Solomon A. Hatfield, who was clinical professor of Medicine at The Ohio State University College of Medicine. Paul attended the public schools of Columbus and was graduated from North High School. As a high school student he was intensely interested in athletics and was a letter man in track. He became the team physician at North High School in 1953, a position he held until his death.

Paul received his B.A. degree from The Ohio State University in 1944 and his M.D. degree in 1947. After graduation he went to Henry Ford Hospital in Detroit, Michigan, for his internship and residency in Internal Medicine, which he completed in June 1950.

He entered the Medical Corps of the United States Army in 1950 and served as a medical officer until June 1952. He was discharged after 51 months of active duty with the rank of Major. He continued his military career as an officer in the Ready Reserve, with a promotion to the rank of Lieutenant Colonel, and was the Chief of the Medical Service of the 449th General Hospital, Reserve.

Paul Hatfield served as a senior assistant resident in Medicine at The Ohio State University Hospital from July 1952 through June 1953. At the end of his residency he was appointed a clinical instructor in the Department of Medicine. As a clinical instructor in Medicine, Dr. Hatfield was a loyal and faithful teacher. He was respected by students and colleagues alike.

Dr. Hatfield was a member of the American Medical Association, the Columbus Academy of Medicine, the Ohio State Medical Association, and the Henry Ford Medical Society. He was also a member of the Columbus Society of Internal Medicine in which he held the office of secretary. He belonged to the Phi Gamma Delta and Alpha Kappa Fraternities and was a member of the Overbrook Presbyterian Church.

Paul was particularly interested in Cardiology and for a time he served as a consultant in Cardiology at The Ohio State University Student Health Service. He presented a paper on "Rheumatic Fever in College Students" at a conference of the Society of Ohio College Physicians in Columbus, Ohio, in March 1956.

On behalf of the entire University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It is directed that this resolution be inscribed upon the minutes of the Board of Trustees.

May 17, 1963 meeting, Board of Trustees

XI. RESOLUTIONS IN MEMORIAM (continued)

B. Alfred John Philby

The Board of Trustees expresses its sorrow at the death on April 21, 1963 of Alfred John Philby, Associate Professor of Engineering Drawing.

Professor Philby was born in Sandusky, Ohio, on October 27, 1906, and was graduated from The Ohio State University in 1931 with the degree of Bachelor of Science in Education. He taught Industrial Arts for six years at Salem-Oak Harbor High School in Oak Harbor, Ohio. In October, 1937, he returned to his Alma Mater as an Instructor in Engineering Drawing. In 1942 he was promoted to Assistant Professor and in 1947 to the rank of Associate Professor.

For several years after graduation he served as camp counselor at Camp Sarona, Sarona, Wisconsin. This boys' camp was operated by the late Harold G. Olsen, former basketball coach at Ohio State.

From 1937 to 1948 he was employed during the summers in the engineering department of the Fred D. Pfening Company, Columbus. From 1949 to 1961 he was employed during the summers in the Franklin County Engineer's Office.

Professor Philby was an excellent draftsman and made contributions to several editions of Engineering Drawing by Thomas E. French. He was co-author of Lessons in Lettering, Books I and II, with Thomas E. French and William D. Turnbull.

He was truly a devoted teacher, and his excellent classroom procedures and chalkboard demonstrations were not exceeded by anyone at this University. He will be severely missed by his many friends, not only here, but throughout the engineering drawing field in the United States where he had established a reputation through his participation in meetings of the Engineering Graphics Division of the American Society for Engineering Education. Three days before his death he was notified of his election to the Executive Committee of this Division and was looking forward to accepting this assignment in Philadelphia on June 18.

Professor Philby was a member of Phi Kappa Tau, social fraternity; Sphinx, Bucket and Dipper and Romophos, men's honorary societies; and Ohio Staters, Inc. He was Editor of the Sun Dial in 1930. He also was a member of the American Society for Engineering Education and Epsilon Pi Tau, professional fraternity.

On behalf of the entire University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It is directed that this resolution be inscribed upon the minutes of the Board of Trustees.

C. Jacob Ralph Shank

The Board of Trustees expresses its sorrow at the death on April 20, 1963 of Jacob Ralph Shank, Professor Emeritus of Civil Engineering.

XI. RESOLUTIONS IN MEMORIAM (continued)

C. Jacob Ralph Shank (continued)

Jacob Ralph Shank was born at Bressler, Pennsylvania, June 30, 1887. He was graduated from the Steelton, Pennsylvania, High School in 1906. He then entered Pennsylvania State College (now University) and was graduated in civil engineering in 1910 with the degree of Bachelor of Science. In June 1935 he received the Professional Degree of Civil Engineer from the same institution. Professor Shank spent the next five years in the steel industry at the plant of The Pennsylvania Steel Company (Bethlehem Steel Corporation) at Steelton, Pennsylvania, first as assistant to the Experimental Engineer, and later as structural detailer and checker. He then came to Ohio in 1915 to become a structural draftsman and bridge designer in the Engineering Department of the New York Central Railroad at Cleveland.

Professor Shank was appointed Instructor in the Department of Civil Engineering at The Ohio State University in 1917, was made Assistant Professor the following year, and Professor of structural engineering in 1923, which rank he held until his retirement in 1956. In 1929 he also became Research Professor in the Engineering Experiment Station, a position which he held until early 1954. He continued in full-time Civil Engineering teaching and research until early in 1956 when he became Professor Emeritus.

His latter years were spent as Executive Secretary of the Ohio Board of Building Standards, and he worked with The Board of Registration for Professional Engineers and Surveyors.

In 1918 Professor Shank began his research into the time-dependent strain of concrete under load, now known as creep of concrete, and later became one of the select few world authorities on the subject. In recognition thereof the American Concrete Institute awarded him the signal honor of the "Wason Medal for Research" in 1937. His Bulletin Number 91 of the Engineering Experiment Station, "The Plastic Flow of Concrete," published in 1935, still is in great demand. He also authored, or co-authored, three other bulletins of the Engineering Experiment Station, as well as numerous papers in technical journals and periodicals. For many years he acted as consulting editor for John Wiley and Sons, Inc., on manuscripts of structural engineering textbooks. He also conducted a consulting engineering practice.

Professor Shank was long an active member of the American Concrete Institute, The American Society of Civil Engineers, The Ohio Society of Professional Engineers, and The American Society for Testing Materials. He was a member of the Newcomen Society, also Sigma Xi and Tau Beta Pi honoraries.

Perhaps Jacob Ralph Shank's most significant accomplishment lay in his close personal relationship with his students, as well as with the other staff members. His genial but earnest and strictly fundamental approach to a wide range of scientific matters will be long remembered. His passing is a distinct loss to the fields of education and research.

The engineering profession has lost one of its most enthusiastic devotees, the University one of its most gifted and faithful servants, and his former colleagues and students, a sympathetic friend.

May 17, 1963 meeting, Board of Trustees

XI. RESOLUTIONS IN MEMORIAM (continued)

C. Jacob Ralph Shank (continued)

On behalf of the entire University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It is directed that this resolution be inscribed upon the minutes of the Board of Trustees.

D. Guybert Phillips Cahoon

The Board of Trustees expresses its sorrow at the death on April 24, 1963, of Guybert Phillips Cahoon, Professor Emeritus of Education.

Dr. Cahoon was born on November 25, 1896, in Minneiska, Minnesota. He received his B.S. degree from Hamline College in 1920. The University of California (Berkeley) awarded him the M.A. degree in 1929 and the Ed. D. degree in 1937.

Dr. Cahoon began his professional career as a high school teacher of science and mathematics in Minnesota, becoming principal of Parker Junior College at Winnebago. His teaching included brief periods also at the LaCrosse High School in LaCrosse, Wisconsin, and at the Stockton High School in Stockton, California. From 1925 to 1934 he held the position of supervising teacher of science in the University High School, Oakland, California.

In 1934, Dr. Cahoon came to The Ohio State University as an Assistant Professor in the University School. He joined the faculty of the Department of Education in 1935 with the rank of Associate Professor, and became Professor of Education in 1943. Illness necessitated Professor Cahoon's retirement in 1959 with the rank of Professor Emeritus.

Professor Cahoon was a highly dedicated teacher, placing professional responsibility and opportunity ahead of personal interest and convenience. His concern for the individual student--whether a prospective science teacher or a teacher returned from the field--was genuine and his energy for such persons seemed unlimited. His productive years were marked by enthusiasm and creativity; his classes reflected these traits, characterized always by a pragmatic approach to learning and teaching.

A veteran of World War I, Dr. Cahoon served our country again in World War II. In a civilian capacity, he took an active role in creating and operating institutes in aviation education at many points in the country.

The professional field of science education beyond the campus benefited greatly because of Dr. Cahoon. He was active in several professional societies, serving as president of one of them, the National Association for Research in Science Teaching. He enriched the literature of science education through contributions to books and journals. Many of his graduate students are in leadership positions in our schools and universities.

On behalf of the entire University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It is directed that this resolution be inscribed upon the minutes of the Board of Trustees.

XI. RESOLUTIONS IN MEMORIAM (continued)

E. Bruce Helmick Edgington

The Board of Trustees expresses its sorrow at the death on May 8, 1963, of Bruce Helmick Edgington, Professor Emeritus of Veterinary Preventive Medicine.

Dr. Edgington was born on February 27, 1885, in Harrisburg, Ohio. He received his M.D.C. degree from the Chicago Veterinary College in 1907 and the D.V.M. degree from The Ohio State University in 1912. Following graduation he engaged in the general practice of his profession for six years. He was a member of the veterinary staff of the Ohio Department of Agriculture for a period of ten years where he served as field veterinarian and chief veterinary pathologist and held the position of State Veterinarian for two years. In 1923 he was appointed to the staff of the Ohio Agricultural Experiment Station at Wooster, Ohio, as pathologist and later chairman of the Department of Veterinary Science, a position which he held at the time of his retirement in 1955. During the last twenty-five years while employed at the Ohio Agricultural Experiment Station he was a part-time staff member of The Ohio State University College of Veterinary Medicine.

Dr. Edgington's primary interests were in the field of research in infectious and contagious diseases of livestock and poultry. His scientific contributions to veterinary literature consist of over fifty publications. Of even greater importance was his inspirational leadership to students and co-workers. He was a member of many scientific, state and national professional organizations and served as president of the Ohio Veterinary Medical Association in 1924.

Dr. Edgington's service to the profession for nearly a half century, forty-two years of which were in the employment of the State of Ohio, provided the counsel and knowledge which played an important role in shaping the sound animal health programs now in practice in this State.

On behalf of the entire University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It is directed that this resolution be inscribed upon the minutes of the Board of Trustees.

F. H. Gordon Hayes

The Board of Trustees expresses its sorrow at the death on May 4, 1963 of H. Gordon Hayes, Professor Emeritus of Economics.

Dr. Hayes was born in Prairie City, Iowa, on March 22, 1883. He received three degrees from the University of Michigan, the A.B. in 1910, the M.A. in 1912, and the Ph.D. in 1914. He was awarded an honorary degree, Doctor of Humane Letters, by Kenyon College in 1943.

Professor Hayes' active teaching career stretched over more than half a century. Before coming to The Ohio State University in 1920 he taught at Hiram College, the University of Michigan, the University of Minnesota, and Yale University. Upon his retirement from The Ohio State University in 1952, at the age of 69, he accepted the chairmanship of the Economics Department at Tulane University and continued to serve there until his final retirement in 1958.



XI. RESOLUTIONS IN MEMORIAM (continued)

F. H. Gordon Hayes (continued)

Professor Hayes' career was long, varied, and rewarding. He made significant contributions as a teacher, writer, public lecturer, and public servant in both state and Federal Government, but he will be best remembered as a classroom teacher. In 1949, on the occasion of their 25th reunion, the members of the Class of 1924 voted him one of their "favorite professors." In 1952, the students of the College of Commerce and Administration elected him the College's first "Professor of the Year." For years he lectured on economics over Station WOSU enlarging his "classroom" to include large areas of Ohio.

A frequent contributor to many professional journals and magazines, Dr. Hayes also authored several books, the best known of which was his Spending, Saving and Employment, published in 1947. In recognition of his many contributions he was elected president of the Midwest Economics Association for 1952-53.

Professor Hayes served Ohio as a member of the Ohio Commission on Unemployment Insurance in 1931-32. He served the Federal Government as Chief of the Division of Economic Research, United States Department of Commerce in 1934 and 1935 and again as Chief Economist of the Consumer Council of the Bituminous Coal Commission in 1940 and 1941.

On behalf of the entire University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It is directed that this resolution be inscribed upon the minutes of the Board of Trustees.

G. Kazuo Kawai

The Board of Trustees expresses its sorrow at the death on May 4, 1963 of Kazuo Kawai, Professor of Political Science.

Professor Kawai was born in Tokyo, Japan, in 1904 and was brought to the United States at the age of five. The son of a Christian minister, Professor Kawai spent his boyhood in California, and, as a young man, attended first the University of California at Los Angeles and then Stanford University, receiving from Stanford his A.B. in 1926. Further study at Stanford earned for him his M.A. in 1928. He studied at Harvard during 1928 and 1929 and, after an interlude of teaching, returned again to Stanford to receive his Ph.D. in 1938.

From 1932 to 1941 Professor Kawai taught at the University of California at Los Angeles and in 1941 journeyed to Japan for what was to have been a brief visit. The outbreak of hostilities prevented his return to the United States and in 1941 Kawai became foreign news editor of the Nippon Times (now the Japan Times) of Tokyo. His work was later viewed by the Occupation Authorities as being consonant with the liberalizing and democratizing principles of the Occupation, and he was made editor-in-chief of the paper by the American military authorities until his resignation in 1949. He then returned to Stanford as Visiting Lecturer, and in 1951 he received an appointment to the faculty of The Ohio State University. In 1960 he published his major work, Japan's American Interlude.

XI. RESOLUTIONS IN MEMORIAM (continued)

G. Kazuo Kawai (continued)

Trained first as a historian and then as a political scientist, possessed of a remarkably rich experience as a result of his newspaper editorship, bi-cultural in the very best sense of that term, Professor Kawai brought to his writings and his classroom both insight and objectivity. He made many contributions to the field of political science, but he will be best remembered by his students for his patient and, at the same time, penetrating analyses of Far Eastern Government and Politics.

On behalf of the entire University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It is directed that this resolution be inscribed upon the minutes of the Board of Trustees.

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XII. REPORTS

A. Appointment of Carlton S. Dargusch to the Finance and Investment Committee

Chairman Patton appointed Mr. Carlton S. Dargusch to membership on the Finance and Investment Committee to succeed Mr. Forrest G. Ketner to serve until the Committees of the Board of Trustees are reconstituted at the September 1963 meeting of the Board.

B. Report on Investment Portfolio

The report on the University's Investment Portfolio dated April 30, 1963 was presented to the Board of Trustees. The Secretary was instructed to file a copy of the report with the official records of the Board of Trustees.

C. Report from the Finance and Investment Committee

1. Resolution to Designate Special Legal Counsel

Mr. Allyn, a member of the Finance and Investment Committee, presented the following resolution and moved its adoption:

RESOLUTION

RESOLVED, that the Board of Trustees of The Ohio State University hereby determines that it is in the interest of the University to obtain the services of Squire, Sanders & Dempsey in connection with the proposed acquisition of a food service warehouse, and accordingly the President and Vice President, Business and Finance, and each of them, are authorized to request the Attorney General of the State of Ohio to designate Squire, Sanders & Dempsey as special counsel to the University on the terms set forth in the form of designation presented to and filed with the records of this meeting.

Mr. Loop seconded the motion and the Board of Trustees approved the above resolution by unanimous roll call vote.

May 17, 1963 meeting, Board of Trustees

XII. REPORTS (continued)

D. Report on Relocation of Olentangy River Road

Executive Director Herrick, upon request of Chairman Patton, reported briefly on the status of the proposal to relocate the Olentangy River Road through the campus. He stated that the feasibility study by the city's engineering consultants had been completed, and that the recommended alignment was not satisfactory to the University. He stated further that a compromise proposal had recently been offered by the service director of the city and that his proposal was now being studied by the consulting engineer.

E. Report on Highlights of Campus Activities

In concluding the meeting, President Fawcett reviewed some of the highlights of campus activities during the past month as compiled by the Executive Director, Office of University Relations.

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Thereupon the Board adjourned to meet Friday, June 14, 1963, at the University at ten o'clock.

Attest:

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John T. Mount  
Secretary

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Thomas F. Patton  
Chairman

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**APPENDIX V**

Degrees Conferred at  
**THE OHIO STATE UNIVERSITY COMMENCEMENT**  
June 7, 1963

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## RECIPIENTS OF HONORS

### CARL RAYMOND ARNOLD

#### DOCTOR OF HUMANE LETTERS

*Distinguished teacher, authority in agricultural finance, outstanding administrator, founder of the production credit system in this country*

Carl Raymond Arnold is acknowledged widely today as a foremost authority on farm credit. His significant role in the production credit system for farmers in the United States has led to his being known as the "father of the production credit system,"—an organization that has undergone phenomenal growth in this country and has provided a pattern for many other nations of the world.

Having been reared on a ranch in Oregon, his early educational opportunities were limited. When his family moved to Ohio, however, he entered and completed high school after which he began his teaching career as an elementary school teacher. Three years later he enrolled at The Ohio State University where his ability and qualities as a student and a teacher were soon recognized. Upon graduation in 1920 from Ohio State, he was employed on the staff as a Farm Management Extension Specialist in the Department of Agricultural Economics and Rural Sociology. Completing his Master's degree at the University of Minnesota in 1926, he continued as an outstanding teacher both in extension work and on the campus. In 1928 he founded the monthly publication, *Timely Economic Information for Ohio Farmers*, which has been published on a continuing basis since that date by the Ohio Agricultural Extension Service.

In 1933 Carl Arnold was called to Washington where he was assigned the task of establishing the first Production Credit Association in the United States. Approximately 500 of these cooperative associations were established during his administration of the program. Having served under two Presidents, he retired to his home in Ohio in 1951 only to be recalled to Washington by President Eisenhower who asked Mr. Arnold to serve as Governor of the Farm Credit Administration. During this period he was able to accomplish one of his final objectives which was to decentralize the controls of the farm credit system and to place the authority in the hands of competent farmer directors and managers entirely freeing the program of government domination and political controls.

A knowledge of sound economic principles, a determination to adhere to those principles, a personal understanding of farmers' problems, and a sense of democratic leadership are the chief characteristics of Carl (Cap) Arnold, as he is affectionately known. His capable leadership was responsible for a farm credit system so sound that all of the money appropriated by Congress to initiate the program has been repaid to the United States Treasury—a rare occurrence in the history of government-financed programs.

## PAUL CLIFFORD KITCHIN

DOCTOR OF SCIENCE

*Highly esteemed teacher and internationally recognized pioneer research scientist in the fields of dental histology and caries*

Paul Clifford Kitchin, Professor Emeritus of Dental Histology and Embryology at The Ohio State University, is a modest and unpretentious research scientist who has achieved a world-wide reputation for his original research on dental caries and on the structure of human enamel in health and disease. Most textbooks of dental histology, as well as dental periodicals published throughout the world, give references to his contributions in this field of dental science.

A native of Ohio, Paul C. Kitchin was graduated from The Ohio State University in 1915. He received a Master of Science degree from Michigan State College and the Doctor of Dental Surgery degree from this University. From 1925 until his retirement in 1958, he served on the faculty of the College of Dentistry at Ohio State. An able and devoted teacher, Dr. Kitchin was continuously engaged in dental research throughout his long and productive career.

During his tenure on the faculty, he participated actively in many scientific and professional organizations at the local, state, national, and international levels, as well as on University committees and councils. In all of his activities he did meritorious work and is acknowledged as being forthright, competent, and industrious. He holds an honorary degree from Washington University and is the recipient of the Callahan Medal, the highest award of the Ohio State Dental Society. He has been a member of the National Research Council, a Fellow of the Academy of Oral Pathology, and has served as secretary of the dental section of the American Association for the Advancement of Science. He has been a member of the Dental Study Section of the National Advisory Research Council of the U. S. Public Health Service and has served as President of the International Association for Dental Research.

Prior to and since his retirement, he has served on the National Advisory Council on Health Research Facilities, an appointment that involves his personal inspection of health institutions requesting Federal aid for research projects. Unquestionably, Paul C. Kitchin's prolific contributions to dental research, literature, and education exemplify the life of the true scholar.



JEROME LAWRENCE  
DOCTOR OF HUMANE LETTERS

*Prominent American playwright in legitimate theater, films, radio, and  
television whose plays have consistently had meaning and  
significance for our times*

Jerome Lawrence is one of a very small group of men who can be called successful American playwrights. The significance and distinction of his career, however, transcend such considerations as commercial achievement or expert craftsmanship. His plays, written in collaboration with Robert E. Lee, have significance and meaning for our times and have consistently been concerned with upholding values which have made the theater important as one of the humanities. In comedies as well as dramas Jerome Lawrence's work has explored the nature of courage and conviction and has emphasized the human condition and the human anomaly. As Lewis Funke pointed out in *The New York Times*, the purpose of his plays is "to remind us all once and again that conformity and thought control are enemies of progress and enlightenment." Such a purpose was achieved with lucidity and emotional power in *Inherit The Wind*—his best-known play.

A native of Cleveland and a 1937 graduate of The Ohio State University, Jerome Lawrence turned early in his career toward dramatic writing for the mass media. He was an overseas correspondent for the Armed Forces Radio Service and received a special citation for his work from the Secretary of War in 1945. Later he wrote for *The Railroad Hour*, the *Columbia Workshop*, and the *Hallmark Playhouse*. His many awards have included the New York Press Club Award in 1942, Peabody Awards in 1949 and 1952, the Donaldson Award in 1955, the Ohioana Award presented in 1955 by the Martha Kinney Cooper Ohioana Library Association, and the British Drama Critics Award in 1960. He has written extensively in periodicals on the theater and the mass media and is the author of a book on television, *Off Mike*.

Jerome Lawrence has taken a strong stand for extending the American theater beyond the confines of the Broadway stage. He and his collaborator have offered the annual Margo Jones Award for theaters producing plays by beginning playwrights. Recently they have proposed a national Playwright's Project through which plays by established playwrights may be given premiere productions in university theaters.

## GAMES SLAYTER

### DOCTOR OF SCIENCE

*Creative scientist, eminent glass technologist, distinguished leader in industrial research, ardent supporter of educational endeavors*

Games Slayter, Vice President in Charge of Research for the Owens-Corning Fiberglas Corporation, has fashioned a life-long career as a pioneer in hitherto unexplored fields of materials science. Blessed with a keen, inquiring mind and boundless resourcefulness, he has literally created whole new enterprises which have greatly advanced our technology and enriched our economy. He earned early recognition as the "Father of Fiberglas." His brilliant exploitation of this unique and versatile material has continued to elicit the plaudits of the engineering world and to draw to him some of its most coveted awards.

A native of Indiana, he graduated from Purdue University with the Bachelor of Chemical Engineering degree in 1921. For ten years thereafter he initiated a wide variety of enterprises involving the invention, manufacture, and sale of such products as furnaces and building insulation. In 1931 he was retained as a consulting engineer by the Owens-Illinois Glass Company to devise new uses for glass products. It was in this setting that he developed the glass building block and initiated his basic work leading to the growth of the glass fiber industry.

In 1938, when the Owens-Corning Fiberglas Corporation was formed to develop the new product, Games Slayter became its Vice President in Charge of Research, a position he holds today. As a result of his creative efforts, he has received numerous awards including the Edward Longstreth Medal of the Franklin Institute and the Industrial Research Institute Medal. He holds the honorary degree Doctor of Engineering from Purdue University. When the Owens-Corning corporation inaugurated its multi-million dollar technical center in Granville, Ohio, it accorded him the signal honor of dedicating the center in his name.

Despite his commitment to scientific and technological matters, he has shared generously his talents and energies for a host of civic, cultural, and educational causes. He has served with distinction on the highest technical councils of the Nation. The first successful rocket nose cone resulted from suggestions he made while serving on the Materials Advisory Board of the National Research Council. He served as a member of The Ohio State University Research Foundation from 1948 through 1954 and has contributed substantially to the growth and development of the University's Department of Mineralogy.

## BERTRAM DAVID THOMAS

### DOCTOR OF SCIENCE

*Research scientist and administrator; citizen with broad-gauge interests, activities, and proficiencies; devoted patron and scholar of both the sciences and the arts*

Bertram David Thomas, President of Battelle Memorial Institute, is one of the country's authoritative spokesmen for scientific research. As an able and successful executive, he directs the largest independent research laboratory in the world. His professional memberships include the Board of Distinguished Consultants of the National Society of Professional Engineers, the National Council of the National Planning Association, and the Executive Committee of the Division of Engineering and Industrial Research of the National Research Council of the National Academy of Science.

Dr. Thomas, a graduate of the University of Washington, received his baccalaureate and doctoral degrees in chemistry while achieving a distinguished record as a Du Pont Fellow. He joined the research staff of Battelle Memorial Institute in 1934 and established and headed Battelle's first division of chemical research in 1939. He also had an important responsibility in the establishment of Battelle Research Centers in Frankfurt, Germany, and Geneva, Switzerland.

His interests in his home community extend beyond the professional; they include the economic and cultural well-being of the University community and of his city and State. Dr. Thomas is a director of the Columbus Area and the Ohio Area Chambers of Commerce. He is vice president of the Board of Trustees of the Columbus Gallery of Fine Arts, a long-time patron of the musical organizations of Columbus, and a member of the Board of Trustees of the Columbus Symphony Orchestra.

The interest Dr. Thomas has in higher education on a broad spectrum is illustrated by his appeal for support of graduate education through the Graduate School of The Ohio State University. In his words, "... it must be conceived . . . as an intellectual enterprise calculated to bring Ohio to the top of all phases of the cultural development of the United States."

His incisive thoughtfulness, broad versatility of interest and service, and quiet, engaging personal characteristics mark him as a leader in our intellectual and cultural community of minds.

CARL FREDERICK WITTKÉ  
DOCTOR OF HUMANE LETTERS

*Inspiring teacher, distinguished historian, able administrator, true exemplar  
of the liberal arts tradition, whose efforts have enriched the life  
of the commonwealth and the community of scholars*

Carl Frederick Wittke, who was graduated from this University fifty years ago, is not only a scholar of international reputation who has lectured widely on both sides of the Atlantic Ocean but also an Ohioan who has made important contributions to the development of three leading institutions of higher learning. He has done much to interpret the efforts of the people of this commonwealth to build a better society through education and the democratic process and has left an indelible impression upon many generations of students.

Upon graduation from The Ohio State University he entered Harvard University where he continued his studies in history leading to the degrees of Master of Arts and Doctor of Philosophy. He returned to this University in 1916 to spend twenty-one productive years as an outstanding teacher and chairman of the Department of History. In 1937 he became Dean of Oberlin College, and he remained in that post until 1948 when he moved to Western Reserve University. From 1948 to the present he has served as Dean of the Graduate School, Vice President, and Elbert Jay Benton Distinguished Professor of History, as well as Chairman of the Department of History at that institution.

Dr. Wittke is widely respected and known for his historical scholarship and is a recognized authority on the history of immigrant groups in the United States. The author of thirteen books and many papers in scholarly journals, he also served as the editor of the official six-volume history of Ohio. He has received numerous citations for his writings, five honorary degrees, and a wide variety of awards from scholarly and civic organizations. Dr. Wittke has guided and encouraged the study and research of numerous students who have themselves become teachers and historians of note. The deep-seated appreciation of his work as a teacher is strikingly demonstrated in a testimonial volume of historical essays written by his former students who have wished to honor him.

Clearly discernible in all of his endeavors is a quality that reflects not only academic excellence but a certain largeness of mind and generosity of spirit that goes far to explain the willingness of this gifted, versatile, and kindly man to give so freely of his talents in a continuing effort to widen human knowledge, advance human dignity, and foster human understanding.

WILLIAM ROYAL CHAMBERS  
BENJAMIN G. LAMME MEDAL AWARD

*Eminent engineer, administrator, and educator in the field of mechanical engineering; prolific contributor, in war and peace, to the advancement of engineering technology*

William Royal Chambers is widely recognized as one of the greatest living examples of the gifted engineers who have made outstanding contributions to society throughout modern history. He is probably best known for his contributions as manager-of-engineering for the Tennessee Eastman Corporation in which capacity he directed the efforts of 4,000 engineers during World War II in order to separate Uranium-235—a part of the program which led to the development of the first atomic bomb. He was responsible for the selection of the site of the Oak Ridge National Laboratory and is the person who has had the longest continuous relationship with Oak Ridge.

Mr. Chambers obtained the degree Mechanical Engineer from The Ohio State University in 1904. Since that time his productive efforts have provided an impressive record of major engineering contributions. He has held a number of positions of engineering leadership in several fields relating to power-production, machinery, and other heavy-equipment. From 1947 to 1952, he served as Head of the Mechanical Engineering Department of the University of Tennessee. In this capacity he was held in the highest esteem by his associates in the College of Engineering and by members of other colleges of the University. Since 1947, and continuing to the present, he has been serving as a consultant to the Oak Ridge National Laboratory on problems related to thermonuclear processes, nuclear power, space power, and cryogenics.

William Chambers' distinguished career has resulted not only from his technical and managerial capabilities but also from his unusual combination of human and personal characteristics. He has been described by his associates as an outstanding scholar and a civic-minded, Christian gentleman who has been an inspiration to all who have had the privilege of working with him.

## GRADUATE SCHOOL

Acting Dean: RICHARD ARMITAGE

### Doctor of Philosophy

Taher Mohamed Abdel-Razik, M.A. .... Cairo, Egypt  
*Dissertation: An Investigation of Creative Thinking among College Students*

*Field of Specialization: Education*

Joseph Louis Albini, B.A. (Pennsylvania State University); M.A.  
(Louisiana State University) .... Vandergrift, Pa.  
*Dissertation: Psychotherapy with Disturbed and Defective Children:  
An Evaluation of Change in Behavior and Attitudes*

*Field of Specialization: Sociology*

William Earl Bachop, A.B. (Western Reserve University); M.Sc. Columbus  
*Dissertation: Feulgen Microphotometry of Periblast Nuclei in the  
Muskellunge Embryo (Clupeiformes: Esocidae)*

*Field of Specialization: Zoology*

Robert Allan Barnes, B.S. (Miami University); M.A.  
(Columbia University) .... Columbus  
*Dissertation: An Analysis of the Effectiveness of Programed Instruction  
as an Ancillary Learning Experience in a Music  
Fundamentals Class for Prospective Teachers*

*Field of Specialization: Education*

Roy Irving Barnett, Jr., B.S. in E.E. (Lehigh University); M.Sc. Lynbrook, N. Y.  
*Dissertation: An All Dielectric Coaxial Waveguide and Antenna*

*Field of Specialization: Electrical Engineering*

Richard Elliott Beard, B.S., M.A. (University of Wisconsin) Maryville, Tenn.  
*Dissertation: Aspects of Structure in Twentieth Century Painting and  
the Novel as Related to My Approach in Painting*

*Field of Specialization: Fine Arts*

Charles Henry Benner, B.S. in Ed. (Wittenberg University); M.Ed.  
(University of Cincinnati) .... Worthington  
*Dissertation: The Relationship of Pre-Service Measures to Ratings of  
Music Teaching Success*

*Field of Specialization: Education*

Robert Milton Boyd, A.B. (Taylor University); M.A. .... Columbus  
*Dissertation: An Analysis of Selected Approaches to the Teaching of  
Literature in the High School*

*Field of Specialization: Education*

Dorsey Wayland Brause, B.A. (Otterbein College); M.A. .... Dayton  
*Dissertation: Identification of Major Factors Affecting the Dismissal  
of School Superintendents*

*Field of Specialization: Education*

John Floyd Bridge, B.S.M.E. (Iowa State University); M.Sc. Storm Lake, Ia.  
*Dissertation: Skin Friction in Turbulent Pipe Flow under the In-  
fluence of an Adverse Pressure Gradient*

*Field of Specialization: Mechanical Engineering*

Rowland David Broiles, B.A., M.A. (Southern Methodist University) Fort Worth, Tex.  
*Dissertation: An Analysis of Hume's Arguments Concerning the Role  
of Reason in Moral Decisions*

*Field of Specialization: Philosophy*

- Marjory Brooks, B.S. (Mississippi State College for Women); M.S.  
(University of Idaho).....Tupelo, Miss.  
*Dissertation: Parental-Daughter Relationships as Factors of Non-Marriage Studies in Identical Twins*  
*Field of Specialization: Home Economics*
- William Aloysius Brungs, Jr., B.Sc., M.Sc.....Columbus  
*Dissertation: The Relative Distribution of Multiple Radionuclides in a Fresh-Water Pond*  
*Field of Specialization: Zoology*
- Vasile Calesi, A.B., A.M. (Boston University).....Greenville, Pa.  
*Dissertation: The "Death of Socrates" in Diderot and the Eighteenth Century Philosophers*  
*Field of Specialization: Romance Languages (French)*
- Richard Leo Cameron, B.S. (University of New Hampshire).Laconia, N. H.  
*Dissertation: Glaciological Studies at Wilkes Station, Budd Coast, Antarctica*  
*Field of Specialization: Geology*
- Kulwant Singh Chahal, B.Sc. (Punjab University); M.Sc.  
(Government Agricultural College).....Ralla, India  
*Dissertation: Decomposition Products of Carbon-14 Labelled Rye Tissue in a Peat Profile*  
*Field of Specialization: Agronomy*
- Hyung Tae Choe, B.Sc., M.Sc. in Ag. (Seoul National University)  
Seoul, Korea  
*Dissertation: Growth, Yield, and Anatomical Structure of the Union Resulting from Budding Apple Varieties on Intermediate Stocks*  
*Field of Specialization: Horticulture*
- Samuel Warren Cochran, B.A. (Mississippi College); A.M.  
(George Peabody College for Teachers).....Waynesboro, Miss.  
*Dissertation: Prediction of Learning by Group Rated Association Values versus Individual Rated Association Values*  
*Field of Specialization: Psychology*
- William Eugene Coppage, B.A., M.S. (Agricultural and Mechanical College of Texas).....Galveston, Tex.  
*Dissertation: Peirce Decomposition in Simple Lie-admissible Power-associative Algebras*  
*Field of Specialization: Mathematics*
- Ernest Paul Donald, B.A. (Lucknow University); B.T. (Nagpur University); M. Social Work.....Naringhpur, India  
*Dissertation: Self Concept of Sixth-Grade Boys: A Study of Delinquency Proneness*  
*Field of Specialization: Sociology*
- James Gettins Eberhart, B.Sc.....Columbus  
*Dissertation: The Preferential Adsorption and Heterogeneous Spin Conversion of Ortho-Hydrogen and Para-Deuterium on Alumina at 20.4°K*  
*Field of Specialization: Chemistry*
- John Ross Eshleman, B.A. (Manchester College); M.Sc.....Florin, Pa.  
*Dissertation: Mental Health and Marital Integration as Applied to Married Youth*  
*Field of Specialization: Agricultural Economics and Rural Sociology*
- Kaye Ronald Everett, B.A. (University of Buffalo); M.S.  
(University of Utah).....Corning, N. Y.  
*Dissertation: Slope Movement in Contrasting Environments*  
*Field of Specialization: Geology*

- Raymond Leo Foye, B.S. (Lowell Technological Institute) . . . . Lowell, Mass.  
*Dissertation: Difference Equations and Elastic Plates*  
*Field of Specialization: Engineering Mechanics*
- Neal Edward Franks, B.A. (Manchester College) . . . . . Hartville  
*Dissertation: I. The Synthesis of 2-Deoxy-D-arabino-Hexonic Acid 6-Phosphate*  
*II. The Optical Rotatory Dispersion of Some Carbohydrate Derivatives*  
*Field of Specialization: Chemistry*
- Cleo Peggy Gazette, B.S., M.Ed. (Whitworth College) . . . . . Spokane, Wash.  
*Dissertation: Self-Perception and Peer-Perception of a Group of Women Majoring in Physical Education*  
*Field of Specialization: Physical Education*
- Mikhail Milad Mikhail Girgis, B.Sc. (Ain Shams University); B.A. in Ed. (American University); M.Sc. . . . . Fayum, Egypt  
*Dissertation: Relationships between Individual Values and Curriculum Organization in Junior High Schools*  
*Field of Specialization: Education*
- John Charles Gray, B.B.A., M.B.A. (University of Michigan) . . . . . Monroe, Mich.  
*Dissertation: Service Potential of Enterprises: A Report of Discounted Cash Flow to Investors*  
*Field of Specialization: Accounting*
- George Ernest Grenier, S.B. (Chem.) (Massachusetts Institute of Technology); M.S. (Chem.) (University of Michigan) . . . . . Hartford, Conn.  
*Dissertation: The Anomalous Heat Capacity of Solid Deuterium (33.1-87.2% Para)*  
*Field of Specialization: Chemistry*
- Harold Lee Hakes, B.S. in Ed., M.S. in Ed. (Bowling Green State University) . . . . . Bellevue  
*Dissertation: A Comparative Study of Five Major Patterns of Residence Hall Administration in Five Large Public Universities*  
*Field of Specialization: Education*
- Robert Lionel Hamson, B.E.S. (Brigham Young University); M.Sc. . . . . Columbus  
*Dissertation: Mechanisms and Effects of Microplasma Conduction at Breakdown in Silicon P-N Junctions*  
*Field of Specialization: Electrical Engineering*
- David Lee Hanselman, B.S., M.S. (Cornell University) . . . . . Worthington  
*Dissertation: Interdepartmental Teaching of Conservation at The Ohio State University*  
*Field of Specialization: Zoology*
- Robert Edward Hastings, B.B.A., M.B.A. (University of Toledo) . . Swanton  
*Dissertation: Leadership in University Research Teams*  
*Field of Specialization: Business Organization*
- Hasan Ahmad Hejazi, B.C.E., M.Sc. . . . . Bethlehem, Jordan  
*Dissertation: The Influence of Forced Longitudinal Vibrations on Rods Penetrating Soils*  
*Field of Specialization: Civil Engineering*
- Mary Tashdjian Henne, B.A., M.S. (American University of Beirut) . . . . . Columbus  
*Dissertation: Polarography of Hydrogen Peroxide in Lanthanum Solutions*  
*Field of Specialization: Chemistry*



- Jack Worth Hunter, B.A. (College of Wooster); M.A. .... Columbus  
*Dissertation: The Corsican Brothers: Its History, and Technical Problems Related to the Production of the Play*  
*Field of Specialization: Speech*
- Fawzy Taha Hussein, B.Pharm. (Alexandria University); M.Sc. .... Alexandria, Egypt  
*Dissertation: An Investigation of the Alkaloids of Xanthorrhiza simplicissima Marsh.*  
*Field of Specialization: Pharmacy*
- Solomon Inquai, B.A. (University College of Addis Ababa); M.A. .... Dessie, Ethiopia  
*Dissertation: The Application of Radio in Community Education in Ethiopia*  
*Field of Specialization: Education*
- P. K. John, B.Sc. (University of Travancore); M.A. (University of Madras) .... Kulakkada, India  
*Dissertation: Charged Particle Escape from a Steady State Plasma in a Mirror Magnetic Field*  
*Field of Specialization: Physics*
- Frederick John Julyan, A.B. (Western Reserve University) .... Columbus  
*Dissertation: Observations on Some Aspects of the Structure and Ultrastructure of the Pineal Organ in the American Brook Lamprey, Lampetra lamottei (Le Sueur)*  
*Field of Specialization: Zoology*
- Truly Elizabeth Kincey, A.B. (Alabama College); M.A. (Tulane University) .... Selma, Ala.  
*Dissertation: A Study of the Relationship between Firm Size and Some of the Factors Important in Establishing Supplemental Unemployment Benefits Programs in the Ohio Rubber Industry*  
*Field of Specialization: Economics*
- Raymond Wallace Klingensmith, A.B. (Hanover College); A.M. (Miami University) .... Columbus  
*Dissertation: Elastic Scattering of He<sup>3</sup> at 20 MEV*  
*Field of Specialization: Physics*
- Walter Ball Laffer II, B.S. (Case Institute of Technology) .... Lyndhurst  
*Dissertation: Decomposition Theorems for Sets of Elements in Finite Abelian Groups and Sets of Non-negative Integers*  
*Field of Specialization: Mathematics*
- Alvin Gordon Lazen, B.S. (University of Maryland) .... Baltimore, Md.  
*Dissertation: Chemistry of a Pseudomonas Glycopeptide Demonstrating Rh<sub>0</sub>(D) Specificity*  
*Field of Specialization: Microbiology*
- Frank Judson Leech, B.S. (Virginia Military Institute); M.Sc. .... Lexington, Va.  
*Dissertation: An NMR Study of Relaxation Times in Metallic Sodium and Rubidium as a Function of Temperature*  
*Field of Specialization: Physics*
- Ronald Killworth Long, B.A. (Ohio Wesleyan University); S.M. (Harvard University) .... Steubenville  
*Dissertation: Absorption of Laser Radiation in the Atmosphere*  
*Field of Specialization: Electrical Engineering*
- Richard Frank Madole, A.B. (Western Reserve University); M.Sc. .... Cleveland  
*Dissertation: Quaternary Geology of St. Vrain Drainage Basin, Boulder County, Colorado*  
*Field of Specialization: Geology*

- Siegfried Maier, B.S. (Capital University); M.Sc.....Columbus  
*Dissertation: A Cytological Study of Thioploca ingrica Wislouch*  
*Field of Specialization: Microbiology*
- Lillian Beatrice Matthews, B.Sc. (H.Ec.) (McGill University); M.S.  
 (Pennsylvania State University).....Durham, N. H.  
*Dissertation: College Students' Attitudes toward Clothing and Their  
 Relation to Certain Personality Traits*  
*Field of Specialization: Home Economics*
- Ollie Orland Maxfield, B.A. (George Peabody College for Teachers); M.A.  
 Robinson, Ill.  
*Dissertation: Geography of the Boston Mountains*  
*Field of Specialization: Geography*
- Lorella Almedia McKinney, B.S. in Ed. (Ohio Northern University); M.A.  
 Lima  
*Dissertation: Staff Utilization Practices in the Public Secondary  
 Schools of Ohio*  
*Field of Specialization: Education*
- Inara Mencis, B.S. (Ohio Northern University); M.Sc.....Ada  
*Dissertation: Solvent Extraction of Selected Transition Metals with  
 Diethylacetic Acid*  
*Field of Specialization: Chemistry*
- Harry Galen Miller, B. S. in Ed. (Defiance College).....Van Wert  
*Dissertation: Radioactive Decay of Tb<sup>151</sup> and Tb<sup>152</sup>*  
*Field of Specialization: Physics*
- Chester Otto Mills, B.Sc. in Edu., M.A.....Zanesville  
*Dissertation: Academic Status of High School Distributive Education  
 Cooperative Students*  
*Field of Specialization: Education*
- Earl John Montague, B.Sc. in Edu.; M.A. (Ball State Teachers College)  
 Fremont  
*Dissertation: Using the College Chemistry Laboratory to Develop an  
 Understanding of Problem Solving in Science*  
*Field of Specialization: Education*
- John Charles Morrow, B.S. in Edu. (Kent State University).....Cleveland  
*Dissertation: The Staging of Pantomime at Sadler's Wells Theatre,  
 1828-1860*  
*Field of Specialization: Speech*
- Lawrence Noel Moyer, B.A., M.A.....Columbus  
*Dissertation: Occupational Variables and the Role of the Sick*  
*Field of Specialization: Sociology*
- Keshavan Nair, B.Sc. (Punjab University); M.Sc.....Patiala, Punjab, India  
*Dissertation: A Theoretical Investigation of the Load Settlement Char-  
 acteristics of a Single Pile*  
*Field of Specialization: Civil Engineering*
- Eldon Carl Nelson, B.Sc. in Agr., M.Sc.....Dunkirk  
*Dissertation: The Biological Activity of Vitamin A Acid in the Pig*  
*Field of Specialization: Animal Science*
- Thomas Otto Nitsch, B.B.A. (Saint Mary's University of San Antonio)  
 El Campo, Tex.  
*Dissertation: The Redistributive Impact of Inflation: An Historical  
 and Theoretical-methodological Study*  
*Field of Specialization: Economics*

- Robert Frank Novotny, A.B., M.S. (Syracuse University)** . . . Concord, Mass.  
*Dissertation: Bedrock Geology of the Dover-Exeter-Portsmouth Region, New Hampshire*  
*Field of Specialization: Geology*
- Jayne Sells Oldfield, B.Sc. in Edu.** . . . . . Columbus  
*Dissertation: The Relative Influences of Dogmatism and Situational Praise on Variability in Social Preference*  
*Field of Specialization: Psychology*
- José Ortega** . . . . . Macon, Ga.  
*Dissertation: La Colmena de Camilo José Cela: contenido y expresión*  
*Field of Specialization: Romance Languages (Spanish)*
- David Lewis Outcalt, B.A. (Pomona College); M.A. (Claremont College)**  
 Claremont, Calif.  
*Dissertation: A Class of Weakly Alternative Rings Which Are Not Power-associative*  
*Field of Specialization: Mathematics*
- Popat Narayan Patil, B.Sc. in Pharm. (Gujarat University); M.Sc.**  
 Chinchkhede, India  
*Dissertation: A Pharmacological Study of the Ephedrine Isomers*  
*Field of Specialization: Pharmacy*
- Lawrence Thomas Paul, B.S. (Muhlenberg College); M.Sc.** . . . . . Lykens, Pa.  
*Dissertation: Myocardial Relaxation: The Effect of Epinephrine on Unit Synchronization*  
*Field of Specialization: Physiology*
- Patrick Vincent Carmel Pinto, B.Sc., B.Sc., M.Sc. (University of Bombay)**  
 Bombay, India  
*Dissertation: The Influence of Substrate Composition and Environment on the Amino Acid Content of the Mycelia of Some Fungi Imperfecti*  
*Field of Specialization: Botany and Plant Pathology*
- David Jerome Richman, B.S. Pharm. (University of Toledo); M.Sc.**  
 Cleveland  
*Dissertation: Effect of Rabbit Anti-Mouse Properdin Antibody on Resistance in the Albino Mouse*  
*Field of Specialization: Pharmacy*
- Constantina Safilios Rothschild, M.Sc.** . . . . . Athens, Greece  
*Dissertation: The Reaction to Disability in Rehabilitation*  
*Field of Specialization: Agricultural Economics and Rural Sociology*
- Hans Sebald, B.A. (Manchester College); M.Sc.** . . . . . Selb, Bavaria, Germany  
*Dissertation: Parent-Peer Control and Masculine-marital Role Perceptions of Adolescent Boys*  
*Field of Specialization: Sociology*
- Richard Frank Seiler, B.S. (University of Maryland)** . . . . . Dayton  
*Dissertation: The Interaction of Deuterons with Nitrogen 14*  
*Field of Specialization: Physics*
- Joan Louise Shillis, B.S. (Pennsylvania State University); M.Sc.**  
 Easton, Pa.  
*Dissertation: Attempts to Demonstrate the Etiological Agent of Verruca Vulgaris and Verruca Plantaris*  
*Field of Specialization: Microbiology*
- Donald Benjamin Snyder, B.S. (Manchester College); M.Sc.**  
 North Manchester, Ind.  
*Dissertation: The Effects of Endrin on Vole (Microtus pennsylvanicus) Reproduction in Bluegrass Meadows*  
*Field of Specialization: Zoology*

Jacqueline Ann Sterner, A.B., M.S. in Ed. (Indiana University)

Ft. Wayne, Ind.

*Dissertation: Women's Post-College Socioeconomic Activities*

*Field of Specialization: Education*

Philip Thayer Stevick, B.A., M.A. (Kent State University) . . . . . Columbus

*Dissertation: Fielding: The Novelist as Philosopher of History*

*Field of Specialization: English*

Richard Shafer Trump, B.F.A. (School of the Art Institute of Chicago);

M.F.A. (State University of Iowa) . . . . . Greenville

*Dissertation: Life and Works of Albert Bierstadt*

*Field of Specialization: Fine Arts*

John Raymond Vercellotti, B.A. (Saint Bonaventure University); M.S.

(Marquette University) . . . . . Joliet, Ill.

*Dissertation: The Structure of Heparin*

*Field of Specialization: Chemistry*

Grant Thompson Webster, B.A. (Carleton College); A.M. (Columbia

University) . . . . . Fargo, N. Dak.

*Dissertation: The Novels of Tobias Smollett: A Study in Structures*

*Field of Specialization: English*

Richard Earl White, B.S. (University of Akron); M.Sc. . . . . Akron

*Dissertation: A Revision of the Genus Tricorynus of North America*

(Coleoptera: Anobiidae)

*Field of Specialization: Entomology*

John Joseph Willingham, B.S. (Eastern Illinois University); M.S.

(Pennsylvania State University) . . . . . Charleston, Ill.

*Dissertation: Organization Structure and Behavior: Antecedence of*

*Accounting Theory*

*Field of Specialization: Accounting*

George Rodger Wilson, B.Sc. in Agr., M.Sc. . . . . Columbus

*Dissertation: The Effects of Thymectomy on the Reproductive Capacities of Holstein Bulls*

*Field of Specialization: Dairy Science*

Larry Eugene Wilson, B.Sc. . . . . Wapakoneta

*Dissertation: Determination of the Composition of Solutions of Binary Hydrocarbon Mixtures by Titration with Water*

*Field of Specialization: Chemistry*

Gerald Wayne Worth, B.S. in Met. E. (Michigan College of Mining and Technology) . . . . . Hillsdale, Mich.

*Dissertation: A Study of the Interfacial Tensions of Liquid Fe-C-Si Solutions and CaO-SiO<sub>2</sub>-Al<sub>2</sub>O<sub>3</sub> Melt at Graphite Saturation*

*Field of Specialization: Metallurgical Engineering*

Ronald Joseph Zabransky, B.S. (Rutgers University); M.Sc.

West Englewood, N. J.

*Dissertation: The Specificity of the Anti-Globulin Reaction with Red Cells of Allergic Individuals*

*Field of Specialization: Microbiology*

Cyril James Zenisek, B.Sc. in Agr., M.Sc. . . . . Shaker Heights

*Dissertation: A Study of the Natural History and Ecology of the Leopard Frog, Rana pipiens Schreber*

*Field of Specialization: Zoology*

(Eighty-five candidates)

### Certificate of Specialist in Educational Administration

Hylen Allen Souders, B.S. in Edu. (Ohio Northern University); M.A.

Galena

(One candidate)

## Master of Arts

- Joel David Aberbach, A.B. (Cornell University).....Jamaica, N. Y.  
*Field of Specialization: Political Science*
- John Robert Alberti, B.S. (Findlay College).....Columbus  
*Field of Specialization: Education*
- Phillip Lee Bandt, B.S. (University of Wisconsin).....Nekoosa, Wis.  
*Field of Specialization: Psychology*
- Herbert William Barrett, Jr., B.S. (Trinity University).....Circleville  
*Field of Specialization: Education*
- Rex Martin Beavers, B.Sc. in Edu.....Lancaster  
*Field of Specialization: Education*
- Robert Jules Berger, A.B. (University of Rochester).....Rochester, N. Y.  
*Field of Specialization: Psychology*
- Jerry Lee Bidwell, B.A.....Columbus  
*Field of Specialization: Romance Languages (French)*
- Clifton Pierce Boutelle, B.A. (Ohio Wesleyan University)..Longview, Wash.  
*Field of Specialization: Journalism*
- Reva Charlene Caldwell, B.S. (Iowa State University).....Newark  
*Field of Specialization: Psychology*
- Joyce Pennington Cavarozzi, B.S. in Ed. (Ohio University).....Cincinnati  
*Field of Specialization: Speech*
- Mary Elizabeth Clement, B.A. (College of Wooster).....Paducah, Ky.  
*Field of Specialization: Romance Languages (Spanish)*
- Myron Wilbur Collier, B.S. in Edu. (Ashland College) .....Lexington  
*Field of Specialization: Education*
- Harlen Eugene Cotterman, B.Sc. in Edu.....Duncan Falls  
*Field of Specialization: Education*
- Leslie Fennen Crabbe, B.Sc. in Agr.....Carrollton  
*Field of Specialization: Agricultural Education*
- Jean Florence Craig, B.Sc. in Edu.....Lansing  
*Field of Specialization: Education*
- Rachel Davis Cunningham, B.S. in Ed. (Bowling Green State University)  
 Mt. Vernon  
*Field of Specialization: Education*
- Carl Merrill Danson, B.A.....New York, N. Y.  
*Field of Specialization: Psychology*
- Don Francis Davis, A.B., M.A. (Ohio University).....Circleville  
*Field of Specialization: Fine Arts*
- Ronald Marvin DeVore, B.Sc. in Edu.....Columbus  
*Field of Specialization: History*
- Paul Dee Douglas, B.Sc. in Edu.....Orrville  
*Field of Specialization: Education*
- Judith Felson Duchan, B.Sc. in Edu.....Greenfield  
*Field of Specialization: Psychology*
- Eva Stevens Earhart, B.Sc. in Edu.....Columbus  
*Field of Specialization: Education*
- Henry Blair Farwell, B.A. (Kenyon College).....Gainesville, Fla.  
*Field of Specialization: Psychology*
- Janice Ann Frank, B.S. (Pennsylvania State University)....Grove City, Pa.  
*Field of Specialization: Psychology*
- Bruce Ralph Fretz, A.B. (Gettysburg College).....Chalfont, Pa.  
*Field of Specialization: Psychology*
- Roberta Jeanne Fry, B.A., B.Sc. in Edu.....Mt. Vernon  
*Field of Specialization: Journalism*

- Norman Joseph Gaines, B.Sc. in Edu.....Mt. Vernon  
*Field of Specialization: Education*
- Peter John Gast, B.A. (Kenyon College).....Wheeling, W. Va.  
*Field of Specialization: German*
- Maxine Fuller Gates, B.Sc. in Edu.....Columbus  
*Field of Specialization: Psychology*
- Stephen Paul Glinsky, Jr., A.B. (Maryknoll College).....Akron  
*Field of Specialization: German*
- Maria Elisabeth Hall.....Stuttgart, Germany  
*Field of Specialization: German*
- Richard Drasnin Hark, B.A. (Franklin and Marshall College)  
 Charleston, W. Va.  
*Field of Specialization: English*
- Susanne Falardeau Hayes, B.A. (University of Akron).....Akron  
*Field of Specialization: English*
- Clifton Eugene Hazard, B.Sc. in Bus. Adm.; B.S. in Ed. (University  
 of Cincinnati); A.M. (Columbia University).....Washington C. H.  
*Field of Specialization: English*
- Gary S. Horowitz, A.B. (City College, New York).....Hollis, N. Y.  
*Field of Specialization: History*
- Karil Arlyn Hubbell, A.B. (University of California, Santa Barbara)  
 Northridge, Calif.  
*Field of Specialization: Psychology*
- David Rainsford Janssen, B.A. (Hastings College).....Gothenburg, Nebr.  
*Field of Specialization: Psychology*
- Ronald Norman Jenkins, B.Sc. in Edu.....Jenera  
*Field of Specialization: Physical Education*
- Rasma Astrida Jurjans, A.B. (Wittenberg University).....Canton  
*Field of Specialization: Romance Languages (French)*
- Sylvia Ida Karwaser, B.A. (University of Toronto) ... Toronto, Ont., Canada  
*Field of Specialization: Romance Languages (French)*
- Janak Kumar Khendry.....Secunderabad, India  
*Field of Specialization: Fine Arts*
- Jack Franklin Kinton, B.S. (Illinois Wesleyan University).....Aurora, Ill.  
*Field of Specialization: Sociology*
- Ada Margaret Kommel, B.S. in Ed., B.Mus. (Wittenberg University)  
 Springfield  
*Field of Specialization: Music*
- Victoria Barnett Kramer, B.Mus. (Eastman School of Music)  
 Columbia, Mo.  
*Field of Specialization: Music*
- Dean Cabut Landis, B.Sc. in Bus. Adm.....Orrville  
*Field of Specialization: Business Organization*
- Timothy Lehmann III, B.Sc. in Bus. Adm.....Columbus  
*Field of Specialization: Sociology*
- Doris Liechty Lora, B.S. in Edu. (Bluffton College).....Columbus  
*Field of Specialization: Music*
- John William Lozier, B.A. (University of Colorado).....Rocky River  
*Field of Specialization: History*
- Jonathan Jung-Hui Lu, B.A. (Taiwan Teachers College); B.D.  
 (Asbury Theological Seminary).....Kaohsiung, Taiwan, China  
*Field of Specialization: Geography*
- John Arthur Maier, B.Mus.....Cleveland  
*Field of Specialization: Music*
- Angelo Mazzocco, B.A., B.Sc. in Edu.....Columbus  
*Field of Specialization: Romance Languages (Spanish)*

- Richard Malcolm McFall, B.A. (DePauw University).....Indianapolis, Ind.  
*Field of Specialization: Psychology*
- Keith Donavon McFarland, B.S. in Edu. (Kent State University) ....Dover  
*Field of Specialization: History*
- \*Edward Leon McGlone.....Newark  
*Field of Specialization: Speech*
- Donald Keith McNamee, B.A. (University of Saskatchewan)  
Moose Jaw, Sask., Canada  
*Field of Specialization: Fine Arts*
- Philip Breault Messer, B.S. (New York State University Teachers  
College, Oswego).....Pittsfield, Mass.  
*Field of Specialization: Psychology*
- Diane Shideler Metcalf, B.S. in Edu. (Miami University).....Columbus  
*Field of Specialization: Education*
- Rosemarie Sue Mims, B.S. in Ed. (Texas Technological College)  
Water Valley, Tex.  
*Field of Specialization: Psychology*
- Jean Mitchell, B.A. (Muskingum College); B.S. in Nurs. (Johns  
Hopkins University).....New Concord  
*Field of Specialization: Education*
- Mary Kathryn Moats, B.A.....Chillicothe  
*Field of Specialization: Psychology*
- Carl Roscoe Morrison, B.A.....Youngstown  
*Field of Specialization: Sociology (Anthropology)*
- Joseph Eugene Mullin, B.A. (Boston College).....Andover, Mass.  
*Field of Specialization: English*
- Jack LeRoy Noragon, B.A. (Doane College).....Exeter, Nebr.  
*Field of Specialization: Political Science*
- Carla Packard, A.B. (Wittenberg University).....Euclid  
*Field of Specialization: Romance Languages (French)*
- Nancy Kaye Penry, B.A. (Muskingum College).....Columbus  
*Field of Specialization: Speech*
- Otho Elmo Perkins, B.Sc. in Edu.....Columbus  
*Field of Specialization: Education*
- Nicholas Peter Peterson, B.Sc.....Columbus  
*Field of Specialization: Psychology*
- Michael Martin Phillips, B.F.A.....Chillicothe  
*Field of Specialization: Fine Arts*
- William Alfred Poppen, B.S. (South Dakota State College)  
Castlewood, S. Dak.  
*Field of Specialization: Education*
- Edward Lloyd Rice, A.B. (West Virginia University); B.S. in Edu.  
(Morris Harvey College).....Columbus  
*Field of Specialization: History*
- John Wells Rodefer, A.B. (West Liberty State College).....Shadyside  
*Field of Specialization: Education*
- Georgine Ruth Rummage, B.S. (University of New Mexico)  
Gallup, N. Mex.  
*Field of Specialization: Psychology*
- Shirley Anne Schley, B.A. (University of Akron).....Akron  
*Field of Specialization: Political Science*
- Janet Kathleen Snyder, B.S. in Edu. (Kent State University).....Akron  
*Field of Specialization: Education*
- Mary Elizabeth Sprague, B.A.....Columbus  
*Field of Specialization: Education*

\* Two degrees

- John William Steele, B.S. in Edu. (Otterbein College).....Marysville  
*Field of Specialization: Education*
- Richard Grey Swartzbaugh, B.A.....Toledo  
*Field of Specialization: Sociology (Anthropology)*
- Yoriko Tanaka, B.A., M.A. (International Christian University)  
 Tokyo, Japan  
*Field of Specialization: Psychology*
- Nancy Roux Teepen, B.S. (Ohio University).....Yellow Springs  
*Field of Specialization: Psychology*
- Betty Cheney Thalmann, B.A. (DePauw University).....Worthington  
*Field of Specialization: Romance Languages (Spanish)*
- Joseph Richard Thompson, B.A. (College of William and Mary)  
 Port Clinton  
*Field of Specialization: Speech*
- Jane Dallas Tobin, B.A.....Reynoldsburg  
*Field of Specialization: Romance Languages (French)*
- Joseph Hall Todd, B.Sc. in Edu.....Urbana  
*Field of Specialization: Psychology*
- Beverly Ann Veatch, A.B. (Miami University).....Cincinnati  
*Field of Specialization: Psychology*
- Sally Andrea Wachalec, B.S.Ed. (Northwestern University).....Kenton  
*Field of Specialization: Education*
- John Allen Wessel, B.S. in Bus. (Indiana University).....Glen Ellyn, Ill.  
*Field of Specialization: Business Organization*
- Helen Marie Wollam, B.S.M. (Capital University).....Marysville  
*Field of Specialization: Music*

(Eighty-seven candidates)

#### Master of Business Administration

- Mouhamed Taha Aboulela, B.Com. (Cairo University).....Mallawi, Egypt  
*Field of Specialization: Business Organization*
- Donald Allen Baur, B.Sc. in Bus.Adm.....Columbus  
*Field of Specialization: Business Organization*
- Paul Ryland Bronsdon, B.A.....Dublin  
*Field of Specialization: Business Organization*
- George Rex Carter, Jr., A.B. (Lafayette College).....Haddonfield, N. J.  
*Field of Specialization: Business Organization*
- William Marlan Cobb, B.Sc. in Bus.Adm.....New Middletown  
*Field of Specialization: Business Organization*
- Richard V. Gidner, B.S. (Michigan State University).....Dayton  
*Field of Specialization: Business Organization*
- Paul Thane Griffin, B.Sc. in Jour.....Worthington  
*Field of Specialization: Business Organization*
- Robert William Johnston, B.S. (United States Naval Academy) ..Covington  
*Field of Specialization: Business Organization*
- Ernest Leon Laske, B.Sc. in Bus.Adm.....Columbus  
*Field of Specialization: Business Organization*
- Richard Alan Marling, B.Sc. in Bus.Adm.....Bellaire  
*Field of Specialization: Business Organization*
- Nicholas Norbert Noe, B.S.E.E. (Purdue University) ....Indianapolis, Ind.  
*Field of Specialization: Business Organization*
- Robert Hart Osborn, B.S. (United States Naval Academy).....Dayton  
*Field of Specialization: Business Organization*
- John David Porthouse, B.S.Ch.E. (Purdue University) ; M.Sc.....Kent  
*Field of Specialization: Business Organization*



Robert Livingston Rewey, Jr., B.Sc. in Bus.Adm.....Springfield  
*Field of Specialization: Business Organization*  
 Ngai-Sang Yu, B.A. in Com. (National Taiwan University)  
 Hong Kong, China  
*Field of Specialization: Business Organization*  
 (Fifteen candidates)

### Master of City Planning

Samuel Philip Boyd, B.Land Arch.....Newton Falls  
*Field of Specialization: Architecture (City Planning)*  
 Matthew James Crofton, A.B. (Marietta College).....Vienna, W. Va.  
*Field of Specialization: Architecture (City Planning)*  
 Don Allen Denison, A.B. (West Virginia State College).....Columbus  
*Field of Specialization: Architecture (City Planning)*  
 Norman John Drummond, B.A.....Charleston, W. Va.  
*Field of Specialization: Architecture (City Planning)*  
 Robert Newton Gray, Jr., B.A. (Kent State University).....Burton  
*Field of Specialization: Architecture (City Planning)*  
 Robert Daniel Grossman, A.B. (Capital University).....Columbus  
*Field of Specialization: Architecture (City Planning)*  
 Ahmed Ali Misrati, B.A. (University of Libya). Tripoli, Tripolitania, Libya  
*Field of Specialization: Architecture (City Planning)*  
 (Seven candidates)

### Master of Education

Donald Glenn Newman, B.Sc. in Edu.....Columbus  
*Field of Specialization: Education*  
 Helen Wright Vilhauer, B.S. (South Dakota State College)  
 Brookings, S. Dak.  
*Field of Specialization: Education*  
 Harry Ewell Wolford, B.S. (West Virginia State College).....Columbus  
*Field of Specialization: Education*  
 Michael Charles Zorich, B.S. Ed. (Ohio University).....Reynoldsburg  
*Field of Specialization: Education*  
 (Four candidates)

### Master of Medical Science

James Richard Bair, B.S., M.D. (University of Illinois).....Decatur, Ill.  
*Field of Specialization: Obstetrics and Gynecology*  
 Charles Arthur Coltman, Jr., B.S., M.D. (University of Pittsburgh)  
 Columbus  
*Field of Specialization: Medicine*  
 Kenneth Herbert Doolittle, A.B. (Earlham College); M.D.  
 (University of Rochester).....Columbus  
*Field of Specialization: Surgery*  
 William Crawford Earl, B.S. (Capital University); M.D.....Columbus  
*Field of Specialization: Medicine*  
 Worthy David Gemmill, B.A. (Williams College); M.D.....Shaker Heights  
*Field of Specialization: Pediatrics*  
 George Nolan Grant, B.S. (Oklahoma Baptist University); M.D.  
 (University of Oklahoma).....Wichita, Kans.  
*Field of Specialization: Surgery*  
 Louis Ralph Mengoli, A.B. (Harvard College); M.D.  
 (Johns Hopkins University).....Plymouth, Mass.  
*Field of Specialization: Surgery*  
 Douglas Parker Mooney, A.B. (University of Michigan); M.D.....Toledo  
*Field of Specialization: Medicine*

**Frederick LeRoy Schaefer, A.B. (Miami University); M.D.**  
 (University of Cincinnati).....Cincinnati  
*Field of Specialization: Obstetrics and Gynecology*

**William Evan Schamadan, B.S. (Capital University); M.D.....Everett**  
*Field of Specialization: Obstetrics and Gynecology*

**Lucius Frederick Sinks, B.S. (Yale University); M.D.**  
 (Jefferson Medical College).....Columbus  
*Field of Specialization: Pediatrics*  
 (Eleven candidates)

### Master of Science

**Halim Guindi Aboul-Saad, B.Sc. (Cairo University)....Alexandria, Egypt**  
*Field of Specialization: Chemistry*

**Dorothy Adalis, B.S.H.E., A.M. (West Virginia University)**  
 Weirton, W. Va.  
*Field of Specialization: Zoology*

**Ron Kazimierz Henryk Adler.....Tel-Aviv, Israel**  
*Field of Specialization: Geodetic Science*

**Paul Gene Althouse, B.Sc. in Agr.....Salem**  
*Field of Specialization: Animal Science*

**Robert Lee Armstrong, B.S. (Heidelberg College).....Fairborn**  
*Field of Specialization: Agricultural Biochemistry*

**Floyd Louis Bajjaly, B.S. (Saint Lawrence University); M.D.**  
 (Queen's University).....Watertown, N. Y.  
*Field of Specialization: Psychiatry*

**Praphulla Kumar Bajpai, B.V.Sc. and A.H., M.V.Sc. (Agra University)**  
 Allahabad, U.P., India  
*Field of Specialization: Poultry Science*

**Doris Weinman Bartlett, B.Sc. in Nurs.....Strasburg**  
*Field of Specialization: Nursing*

**Andrew Patrick Blasco, B.S. (Loyola College).....Catonsville, Md.**  
*Field of Specialization: Chemistry*

**\*Carl Lynn Bowman.....Clarksville**  
*Field of Specialization: Civil Engineering*

**John Deen Bramblett, B.S. (Utah State University)....Sierra Blanca, Tex.**  
*Field of Specialization: Welding Engineering*

**Gretchen Terhune Brooks, A.B. (Western Reserve University)**  
 East Cleveland  
*Field of Specialization: Zoology and Entomology*

**\*Jay Weir Bulaw.....Barrington, Ill.**  
*Field of Specialization: Welding Engineering*

**James Richard Carroll, M.D. (University of Alberta)**  
 Camrose, Alta., Canada  
*Field of Specialization: Preventive Medicine*

**Bijoy Kumar Chakraborty, B.Sc. (Calcutta University); I.D.D.**  
 (National Dairy Research Institute).....Calcutta, India  
*Field of Specialization: Dairy Technology*

**\*Robert Van I. Chang.....Kowloon, Hong Kong, China**  
*Field of Specialization: Ceramic Engineering*

**Dianne Chappell, B.Sc. in Phar.....Columbus**  
*Field of Specialization: Microbiology*

**Emery Swinford Conyers, B.S. in Agr. (University of Kentucky)**  
 Lexington, Ky.  
*Field of Specialization: Agronomy*

**Merl Ray Coon, B.Sc. in Edu.....Marion**  
*Field of Specialization: Agricultural Economics (Rural Sociology)*

\* Two degrees

- Thomas Buskirk Crabill, B.I.E.....Tiffin  
*Field of Specialization: Industrial Engineering*
- \*Charles Keith Cretcher.....Russells Point  
*Field of Specialization: Aeronautical and Astronautical Engineering*
- Lourdes Hernandez Cruz, B.S. in H.E. (University of the Philippines)  
 Columbus  
*Field of Specialization: Home Economics*
- \*Gerald Leo Daily.....New Albany  
*Field of Specialization: Civil Engineering*
- Frederick Harold Davidorf, B.Sc.....Columbus  
*Field of Specialization: Anatomy*
- David Wilson Deamer, B.S. (Duke University).....Columbus  
*Field of Specialization: Physiological Chemistry*
- Alfred Boyce Devereaux, Jr., B.S. (United States Military Academy)  
 Columbus  
*Field of Specialization: Geodetic Science*
- \*Robert Nicholas Di Simone, B.Sc.....Canton  
*Field of Specialization: Physiological Chemistry*
- Shirley Ann Ehrhardt, B.S. (Central Missouri State College)  
 Jefferson City, Mo.  
*Field of Specialization: Chemistry*
- David Leroy Eldredge, B.S. Aero. E. (Iowa State College).....Columbus  
*Field of Specialization: Industrial Engineering*
- Mahmoud Samy Hassan El-Sawah, B.S. (Alexandria University)  
 Alexandria, Egypt.  
*Field of Specialization: Electrical Engineering*
- Bernard Lee Erven, B.Sc. in Agr.....McClure  
*Field of Specialization: Agricultural Economics and Rural Sociology*
- Charles Richard Farley, A.B., M.S. (West Virginia University); D.D.S.  
 (University of Maryland).....Wheeling, W. Va.  
*Field of Specialization: Dentistry*
- Lucy Van Ness Fogg, B.S. in Edu. (Miami University).....Yellow Springs  
*Field of Specialization: Home Economics*
- Catharine Mereness Foris, B.Sc.....Dayton  
*Field of Specialization: Chemistry*
- Raymond La Mar Fowler, B.M.E.....Fremont  
*Field of Specialization: Mechanical Engineering*
- Joseph Archibald Fromme, B.S.A.E. (Purdue University).....Columbus  
*Field of Specialization: Mathematics*
- \*Daniel Edwin Gebhart.....Germantown  
*Field of Specialization: Agricultural Engineering*
- Paul Logan Gersper, B.Sc. in Agr.....Columbus  
*Field of Specialization: Agronomy*
- Lawrence Joseph Gilboy, B.S. (University of California, Berkeley)  
 Columbus  
*Field of Specialization: Electrical Engineering*
- Ralph Newton Gleason, B.S. (Clemson Agricultural College) .. Seneca, S. C.  
*Field of Specialization: Agricultural Economics and Rural Sociology*
- Sterling Doug Goode, B.S. (Agricultural and Mechanical College of  
 Texas).....Wichita Falls, Tex.  
*Field of Specialization: Geodetic Science*
- George William Greco, D.D.S. (University of Maryland) .. Emmitsburg, Md.  
*Field of Specialization: Dentistry*
- Raymond Elwood Griffith, B.Sc. in Agr.....Warsaw  
*Field of Specialization: Agricultural Education*
- George Peter Grivas, B.C.E.....Columbus  
*Field of Specialization: Civil Engineering*

\* Two degrees

- Janice Ann Hansen, B.S. (University of Wyoming).....Newcastle, Wyo.  
*Field of Specialization: Home Economics*
- Lenore Anne Hartman, B.Sc. in Agr.....Olmsted Falls  
*Field of Specialization: Agricultural Economics and Rural Sociology*
- John Edwin Hendrix, B.S., A.B. (Fresno State College)...Oakhurst, Calif.  
*Field of Specialization: Botany and Plant Pathology*
- Samson Theodore Herat, B.Sc. (University of Ceylon).....Kandy, Ceylon  
*Field of Specialization: Geodetic Science*
- Orlando Holway III, B.S. (United States Military Academy)....Columbus  
*Field of Specialization: Geodetic Science*
- William Mayo Hooker, B.S. (United States Military Academy)....Columbus  
*Field of Specialization: Chemistry*
- \*John Beecher Howenstine.....Lima  
*Field of Specialization: Industrial Engineering*
- Ronald J. Huff, B.E.E.....Marengo  
*Field of Specialization: Electrical Engineering*
- Barbara Farmer Hughes, B.S. in H.E. (Carson-Newman College)  
 Big Spring, Tenn.  
*Field of Specialization: Home Economics*
- Albert George Ingram, B. Met. Engr. (Polytechnic Institute of Brooklyn)  
 Columbus  
*Field of Specialization: Metallurgical Engineering*
- Carolyn Ann Isch, B.S. H.Ec. (Ohio University).....Perrysburg  
*Field of Specialization: Home Economics*
- \*Charles Perry Johnson, Jr.....Tiffin  
*Field of Specialization: Metallurgical Engineering (Mining Engineering)*
- Robert Peter Kasper, B.S. in Chem. (Brown University)..Bridgeport, Conn.  
*Field of Specialization: Chemical Engineering*
- Divaker Bhalchandra Kenkare, B.Sc. (University of Poona)  
 Mahim, Bombay, India  
*Field of Specialization: Dairy Technology*
- George Wesley King, B.S. (Tennessee Agricultural and Industrial State University).....Dayton  
*Field of Specialization: Metallurgical Engineering*
- Robert Bennett King, B.S. (United States Military Academy)  
 Livonia, Mich.  
*Field of Specialization: Geodetic Science*
- \*John William Kittle.....Old Fort  
*Field of Specialization: Mechanical Engineering*
- Gary Grove Koch, B.Sc.....Mt. Vernon  
*Field of Specialization: Industrial Engineering*
- \*Byron Jay Kohn, B.A.....Columbus  
*Field of Specialization: Physiological Chemistry*
- Robert Wade Kuckuck, B.S. (West Liberty State College).....Columbus  
*Field of Specialization: Physics*
- Demos Theodore Kyrakis, S.B. in E.E. (Massachusetts Institute of Technology).....Medway  
*Field of Specialization: Electrical Engineering*
- David Arvid Larson, B.S.A. (Purdue University).....Princeton, Ill.  
*Field of Specialization: Agricultural Economics and Rural Sociology*
- Eugenio Lerner, B.S. (University of Brazil).....Rio de Janeiro, Brazil  
*Field of Specialization: Physics*
- Carol Anne Linder, B.S. in H.E. (Mount Mercy College)....Pittsburgh, Pa.  
*Field of Specialization: Preventive Medicine*
- Ross Guy Luce, B.A.A.E.....Poland  
*Field of Specialization: Aeronautical and Astronautical Engineering*

\* Two degrees

- Theodore Frederick Ludwig, A.B. (Central College, Iowa) ; D.D.S.  
Canal Winchester  
*Field of Specialization: Dentistry*
- John Stevens Lytle, B.Sc. in Agr.....Batavia  
*Field of Specialization: Agricultural Economics and Rural Sociology*
- Ronald Clement Machen, B.S. (University of Illinois) .....Chicago, Ill.  
*Field of Specialization: Chemistry*
- John Herbert Manton, B.A. (Ohio Wesleyan University) ; M.D..Steubenville  
*Field of Specialization: Psychiatry*
- Robert Howard Marmer, B.A.....Cincinnati  
*Field of Specialization: Anatomy*
- Gerald Eugene McCachran, B.S. (Eastern Illinois University) ..Mattoon, Ill.  
*Field of Specialization: Chemistry*
- Robert Stanley McNees, B.S. (University of Kansas City)  
Kansas City, Mo.  
*Field of Specialization: Chemistry*
- David Dering Meisel, B.S. (West Virginia University) ...Fairmont, W. Va.  
*Field of Specialization: Astronomy*
- William Wilson Messenger, B.S. in Ch.E. (Case Institute of Technology)  
Fostoria  
*Field of Specialization: Industrial Engineering*
- Timothy Edward Moore, B.Sc., D.D.S.....Columbus  
*Field of Specialization: Dentistry*
- John Jeremiah Morrow, B.A. (Bowling Green State University) ..Columbus  
*Field of Specialization: Civil Engineering*
- James Franklin Nester, B.Ch.E.....Pomeroy  
*Field of Specialization: Chemical Engineering*
- Don Barker Neumann, B.S. in M.E. (Stanford University) .....Dayton  
*Field of Specialization: Electrical Engineering*
- Satya Pal Ohri, B.V.Sc. (Punjab Veterinary College)  
Bikaner, Ludhiana, India  
*Field of Specialization: Dairy Technology*
- \*Michael Olejar, B.E., B.A. (Youngstown University) .....Youngstown  
*Field of Specialization: Physiology*
- Victor Arthur Otte, B.A. (Valparaiso University) .....Ridgeville Corners  
*Field of Specialization: Physics*
- Bhupendra Pushpkant Parikh, B.E. (Mech.) (University of Baroda)  
Baroda, India  
*Field of Specialization: Mechanical Engineering*
- Sherwin Bertram Pevaroff, D.D.S.....Shaker Heights  
*Field of Specialization: Dentistry*
- Charlene Faye Pfalzgraf, B.Sc. in Edu.....Columbus  
*Field of Specialization: Agricultural Economics (Rural Sociology)*
- Fotios Plakogiannis.....Krestena Ilios, Greece  
*Field of Specialization: Pharmacy*
- Janice Carol Porter, B.Sc. in Med.Tech.....Hopewell  
*Field of Specialization: Pathology*
- Albert Puskas, M.D. (University of British Columbia)  
Vancouver, B.C., Canada  
*Field of Specialization: Preventive Medicine*
- Frances LaSalle Richardson, B.S. in Ed. (Southern Illinois University)  
Yellow Springs  
*Field of Specialization: Botany and Plant Pathology*
- Frank Peter Rymarz, D.D.S. (Marquette University) .....Milwaukee, Wis.  
*Field of Specialization: Dentistry*

\* Two degrees

- Robert Gustave Sandberg, B.S. (Hamline University) . . . Minneapolis, Minn.  
*Field of Specialization: Physiological Chemistry*
- Robert Lewis Schroeder, B.S. (United States Military Academy) . . Columbus  
*Field of Specialization: Industrial Engineering*
- Marion Woolever Scothorn, D.V.M. . . . . Columbus  
*Field of Specialization: Veterinary Parasitology*
- Bernard Lee Shorts, Jr., B.S. in Phar. (Howard University)  
 Penns Grove, N. J.  
*Field of Specialization: Pharmacy*
- Donald Armstrong Smith, B.M.E. . . . . Lakewood  
*Field of Specialization: Mechanical Engineering*
- Mete Soyoguz, B.S. in C.E. (Robert College) . . . . . Istanbul, Turkey  
*Field of Specialization: Civil Engineering*
- \*William Samuel Steiner . . . . . Toledo  
*Field of Specialization: Physics*
- Ralph Cletus Steinlage, B.S. (University of Dayton) . . . . . St. Henry  
*Field of Specialization: Mathematics*
- Eugene John Swick, B.S. (Saint Louis University) . . . . . Springfield, Va.  
*Field of Specialization: Physics*
- Jorge Yulo Tamayo, B.S.C.E. (Central Philippine University)  
 Iloilo City, Philippines  
*Field of Specialization: Civil Engineering*
- Shiro Tanaka, M.D. (Kyoto University) . . . . . Osaka, Japan  
*Field of Specialization: Preventive Medicine*
- Ping Nin Tung, B.S. (National Taiwan University) . . . . Hong Kong, China  
*Field of Specialization: Electrical Engineering*
- Ada Marie VanNess, A.B. (Miami University) . . . . . Brookville, Ind.  
*Field of Specialization: Preventive Medicine*
- Cornelis Visser . . . . . Columbus  
*Field of Specialization: Engineering Mechanics*
- Alan George Wallskog, B.S.M.E. (Illinois Institute of Technology)  
 Westchester, Ill.  
*Field of Specialization: Engineering Mechanics*
- Sheron Edward Weary, B.Ch.E. . . . . Marion  
*Field of Specialization: Physics*
- \*Thomas Edwards Williams, Jr., A.B. (Princeton University) . . Portsmouth  
*Field of Specialization: Physiological Chemistry*
- John Frederick Winter, B.Sc. . . . . Wooster  
*Field of Specialization: Civil Engineering*
- Nilufer Paranyi Woods, Chem.Engr. (University of Istanbul) . . Chillicothe  
*Field of Specialization: Chemistry*

(One hundred and twelve candidates)

#### Master of Social Work

- Margaret Blaine Ballard, A.B. (Vassar College) . . . . . Cincinnati  
*Field of Specialization: Social Work*
- James Lee Bemiller, B.Sc. in Agr., M.Sc. . . . . Fredericktown  
*Field of Specialization: Social Work*
- John William Biedenkapp, A.B. (University of Cincinnati) . . . . Cincinnati  
*Field of Specialization: Social Work*
- Joseph Aloysius Browne, B.A. (Saint Paul Seminary) . . . . Ashland, Ky.  
*Field of Specialization: Social Work*
- Alice Goldman Cohen, A.B. (University of Chicago) . . . . Cincinnati  
*Field of Specialization: Social Work*

\* Two degrees

David Charles Crowley, B.Sc.....	Cincinnati
<i>Field of Specialization: Social Work</i>	
Carol Kafer Curl, B.Sc. in H.E.....	Bucyrus
<i>Field of Specialization: Social Work</i>	
Hilda Patricia Curran, A.B. (Hiram College).....	Dayton
<i>Field of Specialization: Social Work</i>	
Theresa Preston Elliott, B.S. (Wilberforce University).....	Cincinnati
<i>Field of Specialization: Social Work</i>	
Ann Graves Huffman, B.A. (Kentucky State College).....	Cincinnati
<i>Field of Specialization: Social Work</i>	
Bessie King Jackson, B.A. (West Virginia State College).....	Columbus
<i>Field of Specialization: Social Work</i>	
Bernardette Constance Kramish, B.A. (Drake University).....	Chillicothe
<i>Field of Specialization: Social Work</i>	
Arlynn Hill Lyle, B.Sc. in Soc.Wel.....	Sidney
<i>Field of Specialization: Social Work</i>	
Elaine Long Massey, B.A. (Philander Smith College).....	Cincinnati
<i>Field of Specialization: Social Work</i>	
Elizabeth Brock Minton, B.S. in Bus. (West Virginia State College)	Cincinnati
<i>Field of Specialization: Social Work</i>	
Carolyn Robinson Neff, A.B. (Denison University).....	Columbus
<i>Field of Specialization: Social Work</i>	
Frances Montgomery O'Connor, B.A.....	Columbus
<i>Field of Specialization: Social Work</i>	
Eva Franks Rodner, B.S.Nurs. (University of Cincinnati).....	Cincinnati
<i>Field of Specialization: Social Work</i>	
Rosella Ida Schmaltz, B.S. in N.Ed. (Catholic University of America)	Vandalia
<i>Field of Specialization: Social Work</i>	
Sadie Singer Segal, A.B. (University of Cincinnati).....	Cincinnati
<i>Field of Specialization: Social Work</i>	
Sally Moulton Shell, A.B. (Oberlin College).....	Rye, N. Y.
<i>Field of Specialization: Social Work</i>	
Barbara Fuller Stovall, B.A. (Kentucky State College).....	Worthington
<i>Field of Specialization: Social Work</i>	
Paul Augustin Thierry, B.S. (Spring Hill College).....	Cincinnati
<i>Field of Specialization: Social Work</i>	
Judith Louise Veres, A.B. (Capital University).....	Latrobe, Pa.
<i>Field of Specialization: Social Work</i>	
Louis Edward Weissman, B.Sc. in Soc.Adm.....	Columbus
<i>Field of Specialization: Social Work</i>	
Kathleen Jane Wetzel, B.A. (San Jose State College).....	San Jose, Calif.
<i>Field of Specialization: Social Work</i>	
Beulah Wingo, B.A. (Peabody Teachers College).....	Columbus
<i>Field of Specialization: Social Work</i>	
Carolyn Fern Wrage, B.Sc. in Soc.Wel.....	Toledo
<i>Field of Specialization: Social Work</i>	

(Twenty-eight candidates)

## CANDIDATES FOR TWO DEGREES

Sylvia King Basch.....	Granville
Bachelor of Arts	
Bachelor of Science in Education	
Carl Lynn Bowman.....	Clarksville
Master of Science	
Bachelor of Civil Engineering (cum laude)	
Jay Weir Bulaw.....	Barrington, Ill.
Master of Science	
Bachelor of Welding Engineering	
Robert Van I. Chang.....	Kowloon, Hong Kong, China
Master of Science	
Bachelor of Ceramic Engineering	
Charles Keith Cretcher.....	Russells Point
Master of Science	
Bachelor of Aeronautical and Astronautical Engineering	
(summa cum laude)	
Gerald Leo Daily.....	New Albany
Master of Science	
Bachelor of Civil Engineering (cum laude)	
Robert Nicholas Di Simone, B.Sc.....	Canton
Master of Science	
Doctor of Medicine (cum laude)	
Gabriele Marie Doyen.....	Findlay
Bachelor of Arts	
Bachelor of Science in Education	
Edward Amos Fisk.....	Conneaut
Bachelor of Arts	
Bachelor of Science in Education	
James Edward Frazier.....	Lima
Bachelor of Science in Business Administration	
Bachelor of Science in Education	
Daniel Edwin Gebhart.....	Germantown
Master of Science	
Bachelor of Agricultural Engineering	
John Hamilton Howard.....	Cincinnati
Bachelor of Science in Agriculture	
Doctor of Veterinary Medicine	
John Beecher Howenstine.....	Lima
Master of Science	
Bachelor of Industrial Engineering	
James Edward Hugenberg.....	Cincinnati
Bachelor of Science in Agriculture	
Doctor of Veterinary Medicine	
Charles Perry Johnson, Jr.....	Tiffin
Master of Science	
Bachelor of Engineering in Mining	
John William Kittle.....	Old Fort
Master of Science	
Bachelor of Mechanical Engineering (cum laude)	
Anita Klein.....	Bayside, N. Y.
Bachelor of Arts	
Bachelor of Science in Education	



Byron Jay Kohn, B.A.....Columbus  
     Master of Science  
     Doctor of Medicine

Sidney Allan Lesowitz.....Akron  
     Bachelor of Arts  
     Doctor of Medicine

Edward Leon McGlone.....Newark  
     Master of Arts  
     Bachelor of Arts (summa cum laude)

Roger Keith McInturf.....Athens  
     Bachelor of Science in Agriculture  
     Doctor of Veterinary Medicine

Terry Jill Mishey.....Mansfield  
     Bachelor of Arts  
     Bachelor of Science in Education

Karl Smith Musgrave.....Tipp City  
     Bachelor of Arts  
     Doctor of Dental Surgery

Peter John Niciforos.....Campbell  
     Bachelor of Arts  
     Doctor of Medicine

Michael Olejar, B.E., B.A. (Youngstown University).....Youngstown  
     Master of Science  
     Doctor of Medicine

Ann Linda Overtree.....Cincinnati  
     Bachelor of Arts (cum laude)  
     Bachelor of Science in Education (cum laude)

Allan Dean Sexton.....Cedarville  
     Bachelor of Science in Agriculture  
     Doctor of Veterinary Medicine

William Samuel Steiner.....Toledo  
     Master of Science  
     Bachelor of Science in Physics

Lois Jean Turner.....Coshocton  
     Bachelor of Arts  
     Bachelor of Science in Education

Cletus Michael Vonderwell.....Delphos  
     Bachelor of Science in Agriculture  
     Doctor of Veterinary Medicine

Donna Lee Wade.....Willoughby  
     Bachelor of Arts  
     Bachelor of Science in Education

Dale Dwight Walther.....Deshler  
     Bachelor of Science in Agriculture  
     Doctor of Veterinary Medicine

Janet Ann Warner.....Fredericktown  
     Bachelor of Arts (cum laude)  
     Bachelor of Science in Education (cum laude)

David Arthur Watkins.....Lima  
     Bachelor of Science in Education (cum laude)  
     Bachelor of Music (cum laude)

Shirley Ann Weierman.....	Lima
Bachelor of Arts	
Doctor of Dental Surgery	
Donald Eugene Welsh.....	Zanesville
Bachelor of Science in Agriculture	
Doctor of Veterinary Medicine	
Dennis Murray Williams.....	Mansfield
Bachelor of Science in Education	
Bachelor of Music	
Thomas Edwards Williams, Jr., A.B. (Princeton University)....	Portsmouth
Master of Science	
Doctor of Medicine (cum laude)	
Richard Joseph Wroblewski.....	Columbus
Bachelor of Arts	
Doctor of Dental Surgery	
Harold Francis Young.....	Republic
Bachelor of Arts	
Doctor of Medicine	

(Forty candidates)

## CANDIDATES FOR A DEGREE AND A CERTIFICATE

Margaret Susan Bowman.....	Berea
Bachelor of Arts	
Certificate of Graduate Dental Hygienist	
Joan Maria Caponigro.....	Shaker Heights
Bachelor of Arts	
Certificate of Graduate Dental Hygienist	
Susan Elizabeth Davis.....	Columbus
Bachelor of Arts	
Certificate of Graduate Dental Hygienist	
Carol Jeanne Fischer.....	Cincinnati
Bachelor of Arts	
Certificate of Graduate Dental Hygienist	
Carol Elaine George.....	Kettering
Bachelor of Arts (cum laude)	
Certificate of Graduate Dental Hygienist	
Rochelle Hope Meyers.....	Canton
Bachelor of Arts	
Certificate of Graduate Dental Hygienist	
Judith Walker Zehner.....	Bellevue
Bachelor of Arts	
Certificate of Graduate Dental Hygienist	

(Seven candidates)

# COLLEGE OF AGRICULTURE AND HOME ECONOMICS

Dean: ROY M. KOTTMAN

## Bachelor of Science in Agricultural Biochemistry

Henry Hennings.....	Delta
Kenneth Paul Klatt (cum laude).....	Marion
Carl Jeffrey Sternecker.....	Medina

(Three candidates)

## Bachelor of Science in Agriculture

Ronald David Allowitz.....	Kettering
Mark Avery Ames.....	Columbus
Meredith Spencer Anderson.....	Lexington, Ky.
Larry Michael Augenstein.....	Ostrander
Don Melvin Bailey, Jr.....	Marysville
John Alvan Bateman.....	Berea
Robert Lee Baumann.....	Amherst
Lee Binkley Bentz.....	Dayton
Richard Howard Bohning, Jr.....	Columbus
William Clement Breehl.....	New Philadelphia
William Dana Brown.....	Marietta
John Karl Brugeman.....	Huron
Roger Lee Butts.....	Peebles
Floyd Blair Cadwallader.....	Lynchburg
James Calvin Clay.....	Freeport
Edward Joseph Coleman.....	Eaton
Jack Boyd Cotter.....	West Unity
Richard Howard Courtney.....	Columbus
Wayne Harry Cuthbert.....	Groveport
David Ray Davis (cum laude).....	Patriot
John Henry Davis.....	Carrollton
Thomas Allen Davis.....	Clyde
Ned Arthur Doering.....	Wapakoneta
Stephen William Dumford.....	Urbana
Charles Christopher Dunson.....	Sidney
Thomas Lee Evans.....	Vandalia
Charles Daniel Everhart.....	Dayton
Norman Dean Filburn.....	Dayton
Robert James Fleming.....	Leonardsburg
Theodore Lee Fox.....	Plymouth
Troy Stephen Frasure.....	Ripley
Donald Norman Frickie.....	Columbus
Eldon Chloral Gerlach.....	McConnellsville
Charles William Given.....	Urbana
William Todd Gordon.....	Huntsville
Gerald Ray Gortner.....	Wooster
Alan William Haney.....	Baltimore
David Roger Hawkins (summa cum laude).....	South Charleston
Jerry Joseph Heydinger.....	Bucyrus
Larry Lee Hoadley.....	Van Buren
*John Hamilton Howard.....	Cincinnati
*James Edward Hugenberg.....	Cincinnati

\* Two degrees

Wesley Melvin Hutchins.....	Logan
Robert James Koerner.....	Columbus
Philip Charles Kozel (cum laude).....	Cleveland
John David Lane.....	Springfield
Merle Vincent Lashey, Jr.....	Marion
Larry Lawrence Lee.....	North Fairfield
Kenneth Duane Leedy.....	Howard
Jon Michael Lehman.....	Dublin
James Clinton Liming.....	Felicity
Frederick Earl Livesay.....	Jackson
John Kenneth Long, Jr.....	Columbus
Donald Arthur Lusch.....	Marion
Harold William Martin.....	Hebron
Roger Kent Martin.....	Gallipolis
John Edward Maxson.....	New Carlisle
Joseph Craig McClanahan.....	Bellefontaine
Theodore Cline McDowell.....	Ashland
*Roger Keith McInturf.....	Athens
Donald Lewis McKinley.....	Middletown
Ronald Lee Menges.....	New Philadelphia
Richard Earl Moseley, Jr.....	Columbus
Howard Lee Neal.....	Mansfield
John Thomas Neiswander.....	Urbana
Urban Theodore Oen.....	St. Marys
Ryoichi Okazaki.....	Columbus
J. Allen Pecsok.....	Whitehouse
Charles Eugene Pencil.....	Springfield
Larry Lee Petty.....	Lancaster
Lester John Prenger.....	Minster
James Harrison Reichman.....	Dover
George Eli Reynolds.....	Wayne
Nancy Louise Richardson.....	Shaker Heights
James Russell Sayre.....	Sidney
Ronald Dale Scott (cum laude).....	New Marshfield
*Allan Dean Sexton.....	Cedarville
Thomas Jay Sharpe.....	Waterville
Neil Edward Smeck.....	Baltimore
Gerald Eugene Smolen.....	Jefferson
Robert Clayton Snow.....	Chagrin Falls
Harlan Ray Stoin (summa cum laude).....	Crooksville
Max Lee Strine.....	Caledonia
John Robert Tedrow.....	Maumee
Gary Lee Thornton (cum laude).....	Cincinnati
*Cletus Michael Vonderwell.....	Delphos
Michael Lynn Wagner.....	Washington C. H.
*Dale Dwight Walther.....	Deshler
Howard Paul Warner.....	Medina
Myron Hubert Warner.....	Columbus
Rockney Allen Warrick.....	Greenville
David Ervin Weisenborn.....	Hamilton
*Donald Eugene Welsh.....	Zanesville
James Douglas Wickline.....	Xenia
David Carl Woofter.....	Fowler
Martin Harold Zarnett.....	Brooklyn, N. Y.

\* Two degrees

(Ninety-six candidates)

**Bachelor of Science  
in Dairy Technology**

John Paskell Davis.....	Cincinnati
Wayne Larry George.....	Swanton
Richard Evans Kelly.....	Cincinnati
Lawrence Neer.....	South Vienna
Daniel Melvin Overmoyer.....	Williamsfield
Franklin Dow Scoles.....	Bluffton
John Joseph Sterback, Jr.....	Orwell

(Seven candidates)

**Bachelor of Science  
in Nutrition**

Larry Wayne Shoemaker.....	Peebles
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(One candidate)

**SCHOOL OF HOME ECONOMICS**

**Bachelor of Science  
in Home Economics**

Nancy Luella Agler.....	Columbus
Linda Lucile Andrews.....	Plain City
Marlene Ann Apple.....	Conover
Ella Mae Bard.....	Columbus
Patricia Ann Blakeslee.....	Pomeroy
Judith Beverly Bush.....	Columbus
Roberta Inbody Bush.....	Findlay
Patricia Ann Busse.....	New Lexington
Judith Ann Caccavello.....	Columbus
Christine Laurie Campbell.....	Kirtland
Sharon Irene Carey.....	Woodstock
Gloria Dawn Cleland.....	Bloomington
Marjorie Mergel Cordrey.....	Greenwich
Elizabeth Creel.....	Painesville
Martha Gail Davis.....	Brook Park
Rosemary Downey.....	Columbus
Louella Clair Dunlap.....	Newark
Carol Ann Elliott.....	Mt. Victory
Patricia Ann Esterline.....	Bucyrus
Shirley Ann Fisher.....	Cuyahoga Falls
Virginia Ann Flasche.....	Lakewood
Alice Sue Friedman.....	Shaker Heights
Ann Galloway.....	Montclair, N. J.
Jane Kay Garrow.....	Morenci, Mich.
Alice Hill Giffin.....	Kingston
Elisabeth Jane Gurr.....	Wooster
Mary Susan Halliday.....	Powell
Jo Anne Treece Harriman.....	Columbus
Sharon Marie Hayes.....	Toledo
Norma Beth Hendricks.....	Defiance
Gail Freeman Herschman.....	Cleveland
Jocelyn Diane Huffman.....	Columbus
Winifred Sue Stephenson Hundley.....	Washington C. H.
Charlotte Weaver Jones.....	Darien, Conn.
Norma Leslie Kahn.....	Columbus

Rose Anne Kochensparger.....	Columbus
Judith Rose Kravitz.....	Shaker Heights
Velma Alice Kuhn.....	Ashville
Margaret Hunsley Lutsch.....	Columbus
Eleanor Lasko Lynch.....	Columbus
Beverly Jean Manos.....	Columbus
Barbara Ellen Matthews.....	Waverly
Diana Corinne Matthews.....	Columbus
Judith Ann McClannan.....	St. Louis, Mo.
Jeannette Ann Mowry.....	Ashland
Paula Jean Myers.....	Steubenville
Rachel Louise Pidgeon.....	Wilmington
Arlene Wright Pospisil.....	Springfield
Sue Ann Rase.....	Wheelersburg
Bonita Ann Renner.....	Dalton
Sandra Sue Rhoads.....	Columbus
Carolyn Eloise Ross.....	Troy
Norma Ann Ruoff.....	London
Evelyn Lenora Sater.....	Rockbridge
Rebecca Fishel Schelling.....	New Philadelphia
Susan Boter Schowalter.....	Elyria
Joyce Brenda Scott.....	Wilmington, Del.
Lorma Jean Sherer.....	Maplewood
Ruth Harriet Steel.....	London
Susan Ilma Stetson.....	Lucas
Jane Cook Throckmorton.....	Marengo
Pamela Jane Vaught.....	Manhasset, N. Y.
Eloise Kirk Vincent.....	Columbus
Peggy Ann Walker.....	Kettering
Carole Ann Weber.....	Mt. Victory
Dorine Ellen Welch.....	Toledo
Anna Wilkinson Whipple.....	Columbus

(Sixty-seven candidates)

#### **Bachelor of Science in Food Technology**

Julia Ann Vanhooose.....	Cincinnati
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(One candidate)

#### **Bachelor of Science in Restaurant Management**

Charles Matthew Garver.....	Warren
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(One candidate)

# COLLEGE OF ARTS AND SCIENCES

Dean: J. OSBORN FULLER

## Bachelor of Arts

Thomas Epperson Addison.....	Columbus
Rose Kleiner Ages.....	New York, N. Y.
Karen Louise Anderson.....	Cleveland
Sandra Sue Annear (summa cum laude and with Distinction in Linguistics)	Berea
Earl Delbert Bader (cum laude).....	Worthington
Carol Ann Ballantyne.....	Columbus
Barbara Jean Barron.....	Columbus
*Sylvia King Basch.....	Granville
Fred Louis Beck.....	Findlay
Sarah Jane Benson (cum laude).....	Akron
Michael Joseph Berenstein.....	Cleveland Heights
Lewis Berman.....	Uniondale, N. Y.
Howard Russell Besser.....	Cleveland Heights
Frank Maurice Betsch, B.F.A.....	Columbus
James Calvin Billick (cum laude).....	Sandusky
†Margaret Susan Bowman.....	Berea
Jean Epstein Braun.....	Skagway, Alaska
Marshall Lee Brown.....	Canton
Bruce Henry Bruinsma.....	Columbus
Edna Deloras Buchmann.....	Columbus
James Russell Burkhard.....	Worthington
Carol Ruth Camras.....	Chicago, Ill.
Mimi Judith Canowitz.....	Columbus
†Joan Maria Caponigro.....	Shaker Heights
Vincent Paul Cardi.....	Columbus
David Sherman Cariens, Jr.....	Akron
Theodore Mirtl Charvat.....	Columbus
Richard John Chernesky.....	Cleveland
Marlene Chinn.....	Cincinnati
William Jin Chu.....	Columbus
Jane Stacey Church.....	Columbiana
Suzanne Kay Clapp.....	Cleveland
Carol Bershad Cole.....	Hamilton
Gerald Richard Colen.....	Toledo
Mary-Ann Cooper.....	New Bremen
Jonna Lee Cox.....	Coshocton
Dale Warren Craig.....	Bellaire
Chester Arthur Crocker (cum laude and with Distinction in History)	Syossett, N. Y.
Carol Dahl Crum.....	Euclid
Paul Lewis Csank.....	Cleveland
†Susan Elizabeth Davis.....	Columbus
Carolyn Deyo Diersing.....	Delaware
Evan Willis Dixon.....	Hamden
*Gabriele Marie Doyen.....	Findlay
Byrle William Dunlap.....	Columbus
James Warren Earhart.....	Columbus
Carole Ruth Echols.....	Zanesville
Jay Edward Elshoff.....	St. Marys

\* Two degrees

† Degree and certificate

Maxine Virginia Evans.....	Columbus
Valerie Jean Fetter.....	Delphos
†Carol Jeanne Fischer.....	Cincinnati
*Edward Amos Fisk.....	Conneaut
Denis Allan Freeh.....	Cincinnati
Elizabeth Lynne Freeman.....	Columbus
Lewis Reynolds Freeman.....	Columbus
Richard Macey Friedman, B.Sc. in Edu.....	Cleveland Heights
Martin Geduldig.....	Jamaica, N. Y.
†Carole Elaine George (cum laude).....	Kettering
Dianne George (cum laude).....	Bergholz
Michael Harvey Gertner (cum laude).....	Columbus
Lois Jean Goldstein.....	Canton
David Leroy Graham.....	West Jefferson
Richard Henry Green.....	Reynoldsburg
Richard Irwin Green.....	Toledo
Judith Margaret Grosjean.....	Wooster
James Howard Gross (summa cum laude).....	Columbus
Jerry Byron Grubaugh (summa cum laude and with Distinction in International Studies).....	Van Wert
Trudi Harriet Guttman.....	Beachwood
Phyllis Pease Hall.....	Lockport, N. Y.
Leo Craig Hallows.....	Bay Village
Thomas Joseph Hamann.....	Canton
Philip Elmer Hankins.....	London
Fred Edward Hann.....	Canton
Barbara Ellen Harman.....	Worthington
Nelson Thomas Henderson.....	Bridgeport
Nelson Michael Henry.....	Cincinnati
Jon Theodore Holliger.....	Maumee
Kathleen Young Hothem.....	Wooster
Stephen Daniel Houck.....	Columbus
Benjamin Lee Huffman.....	Northfield, Vt.
Carol Ann Hughes.....	Columbus
Carol Brush Hunter (cum laude).....	Columbus
Thomas Allan Hunter.....	Springfield
Betty Ruth Hursh (cum laude).....	Bowling Green
Ted Chih-Fan I.....	Taipei, Taiwan, China
Lynn Ellsworth Jackson.....	Dover
Mary Lou Jenkins.....	Cadiz
Judith Ann Jerome.....	Fairborn
Russell Edgerly Jimeson.....	Steubenville
Ben Lewis Jones.....	Salem
Mary Ann Jones (cum laude).....	Bainbridge
Susan R. Kahn.....	McLean, Va.
David Maynard Kauffman.....	Fredericktown
Eleanor Kerner Kayman.....	New Orleans, La.
Davis Edward Keeler.....	Mt. Carmel, Ill.
Laurence Eugene Keller.....	Columbus
William Sander Kjellstrand.....	Lakewood
Cathy Arlene Klaus.....	Toledo
*Anita Klein.....	Bayside, N. Y.
Jerome J. Kleinman.....	University Heights
Darrell Bennett Krasny.....	Willoughby
Thomas Zimmer Lafferty.....	Columbus

\* Two degrees

† Degree and certificate



Wayne Paul Lawson.....	Parma
Lynn Williams Lehmann (cum laude).....	Columbus
James Joseph Leonard.....	Columbus
*Sidney Allan Lesowitz.....	Akron
Lynda Ruth Levine.....	Washington, D. C.
William George Loeber III.....	Cuyahoga Falls
Floyd Richard Love.....	Columbus
Jack Lemoine Lowther.....	Cardington
Susan Spector Margolis.....	Springfield
Adrienne Lee Marks.....	Englewood Cliffs, N. J.
Stephen Bernard Marks.....	Cleveland
Claude Patrick Marshall.....	Grove City
Richard Don Martin.....	Urbana
John Edward Matthias (summa cum laude and with Distinction in English) .....	Columbus
Charles Richard McCall.....	Columbus
*Edward Leon McGlone (summa cum laude).....	Newark
William Louis Mellick.....	Bedford
†Rochelle Hope Meyers.....	Canton
Bill Ormun Miller.....	Rocky River
Samuel David Milliken.....	Bowerston
*Terry Jill Mishey.....	Mansfield
James Kenneth Mitchell.....	McArthur
David Clinton Morris.....	Grove City
Ronald Clark Mostov (cum laude).....	Youngstown
Halima Samad Moyer.....	Dayton
Stephen Michael Mumm.....	Columbus
*Karl Smith Musgrave.....	Tipp City
Gary Joseph Nash.....	Columbus
*Peter John Niciforos.....	Campbell
Michael William Norris.....	Worthington
Manuel Joseph Ortuno.....	New York, N. Y.
*Ann Linda Overtree (cum laude).....	Cincinnati
Linda Sue Owens.....	Akron
Suzanne Fenske Parrett.....	Cincinnati
Nancy Cecilia Pattison (cum laude).....	Worthington
Richard Edward Patton.....	Springfield
Charles Michael Pickard.....	Columbus
Arlene Renee Pressman.....	Columbus
Lynn Marie Rawlins.....	Columbus
Micheal Damien Richter.....	Columbus
William Howell Roberts.....	Delaware
Michael Snell Rohr.....	Englewood
Martha Carolyn Roth.....	Rock Hill, S. C.
Thomas Andrew Roth.....	Buckeye Lake
Gerald Duayne Salters.....	Amelia
Ray Lynn Saunders.....	Gunnison, Colo.
Joseph Abraham Scheffler.....	New York, N. Y.
Mary Shiffer Schenck (cum laude).....	Miamisburg
William Daniel Schnauffer.....	Marion
Dean Berne Schulman.....	Akron
Douglas Alexander Severino.....	Worthington
Warren Donald Shea.....	Schenectady, N. Y.
Richard Gayer Shifflette.....	Columbus
Robert Mitchell Sielaty.....	Brecksville

\* Two degrees

† Degree and certificate

Judith Ann Skepstedt.....	Columbus
Bruce Llewelyn Smith.....	Maumee
Margaret Gearity Smith.....	Victoria, Tex.
Charles Montgomery Sprankell II.....	Bellefontaine
Edward Lawrence Stadler.....	Olmsted Falls
Roy Curtis Stone.....	Sabina
Charles Joseph Strook, Jr.....	Columbus
Kathleen Regina Strouse.....	Flemington, N. J.
John Howard Summers.....	St. Clairsville
Jane Marie Thomas.....	Lima
*Lois Jean Turner.....	Coshocton
Stuart James Turoff.....	Cleveland Heights
Clement Robert Twardy.....	Garfield Heights
Edward Stanley Tyszk, Jr.....	Maple Heights
Aija Veldre.....	Marion
Jeanne Marie Verville (cum laude).....	Maysville, Ky.
Joseph Michael Vosler.....	Piqua
*Donna Lee Wade.....	Willoughby
William Vernon Walton III.....	Columbus
*Janet Ann Warner (cum laude).....	Fredericktown
John Gary Warner.....	Dayton
Clyde Anthony Wearsch.....	Chardon
Gretchen Harrington Wegener.....	Columbus
*Shirley Ann Wierman.....	Lima
Judith Frances Weingarten.....	Montgomery, Ala.
Stephen Perry Weislogel (with Distinction in Classical Languages)	Columbus
David Brooks Westwater, Jr. (cum laude).....	Columbus
Saundra Lee Williams.....	Reynoldsburg
Donna Mae Wojdacz.....	Cleveland
John Dever Wood.....	Northfield
Kyle Thomas Woods, Jr.....	Brewster
*Richard Joseph Wroblewski.....	Columbus
Janet Lee Wynn (cum laude).....	Akron
Patricia Lynne Yoder.....	Dayton
*Harold Francis Young.....	Republic
Richard Dennis Zahniser.....	Middleburgh Heights
†Judith Walker Zehner.....	Bellevue
David Jay Zendell.....	Paterson, N. J.
Nana Crawford Zeno.....	Columbus
Salvatore Anthony Zingale.....	Maple Heights
Edward Richard Zunic.....	Warren
Gary Dean Zwicker.....	Martin

(One hundred and ninety-eight candidates)

### Bachelor of Science

George Kenneth Adams.....	Rocky River
James Wesley Amrine, Jr.....	Columbus
John David Angerer.....	Columbus
Carmen Quentin Artino.....	Cleveland
Anne Marie Bachmann.....	Akron
Patricia Sue Ball.....	New Lexington
Terry Keith Barnett.....	Columbus
Raymond Gene Barry.....	Lima

\* Two degrees

† Degree and certificate

Ray John Beach.....	Girard
Ronald Mack Beal.....	Xenia
Robert Walker Beatty.....	East Liverpool
Charlie Eugene Bellamy.....	Columbus
Clyde William Berry.....	Wapakoneta
Robert James Blair.....	Youngstown
Jeanne Carol Brachman.....	Whitehall
Evan Luther Brill.....	Columbus
Paul William Britton.....	Amelia
Thomas Benjamin Brumley.....	Findlay
Sandra Jean Bukey.....	Columbus
John A. Burkhardt.....	Mansfield
Robert Malcolm Burns.....	Steubenville
Robert John Capwell.....	Binghamton, N. Y.
Donna Jean Cashell.....	Dublin
Robert LeRoy Cawthra.....	Cleveland
Patricia Babcock Child.....	Findlay
Joseph Melvin Clements, Jr.....	Uniontown
Kenneth Stuart Clifton.....	Jefferson
John Mackenzie Crabill.....	Springfield
Gail Tuttle Cretcher.....	Bryan
William Anthony Cruce, Jr.....	Akron
Ralph Gerald Cruickshank.....	Cleveland
Daniel Wesley DeHayes, Jr.....	Columbus
Joseph Caesar Del Tedesco II.....	Columbus
David Harold Denner.....	Zanesville
Marcia Ann DeWeese.....	Troy
Patrick Joseph Donley.....	Columbus
Vincent Dovico.....	Cleveland
Oliver Herschel Drabkin.....	Youngstown
Nancy Mollineaux Dunlop.....	Garden City, N. Y.
Philip Eugene Eggers.....	Akron
Carol Forney Estep.....	Columbus
George Timothy Fischer.....	Akron
Robert William Fisher, Jr.....	Chillicothe
Karen Louise Foster.....	Dublin
Judith Lynne Frankhauser.....	Bluffton
Beverly Brown Frasure.....	Ballwin, Mo.
Franklin Howard Frayer.....	North Canton
Harold William Friedel.....	Kenton
Charles Robert Frost.....	Williamsburg
Amelia Ray Fry (cum laude).....	Columbus
Joseph Francis Funaro.....	Columbus
Russell Alan Geanangel.....	Cadiz
Melvin J. Greaves, Jr.....	Cleveland
Klaus Hans Gumto.....	Cleveland Heights
Richard Coumain Hall.....	Bay Village
David Kay Halley.....	Vermilion
Lewis Robert Hamilton.....	Wilmington
Ronald Keith Henderson.....	Cadiz
Kenneth Charles Hill.....	Valley City
Samuel Lowell Hissong (cum laude).....	Ludlow Falls
David Charles Hopkins.....	North Royalton
John Edwin House.....	Dayton
Patricia Taylor Huls (cum laude and with Distinction in Geology)	Bay Village

Samuel Gregory Iams.....	Celina
Ralph Chester Jechura.....	Toledo
George Bingman Johnson.....	Newark
Louis La Monte Keiser.....	Columbus
Lawrence Andrew Klimko.....	Campbell
Martin Zane Koppelman.....	University Heights
Karl William Kumler, Jr.....	Columbus
Gary Freeman Larkin.....	Massillon
Alan Andrew Lawrence.....	Lodi
Charles Fredric Levine.....	Wooster
Justin R. Martin.....	Ravenna
Bruce May.....	Cincinnati
Eugene Shannon May.....	Lakewood
Joseph Meeks (cum laude).....	Portsmouth
Neal Edward Meyer.....	Bryan
Oliver Eugene Millhouse.....	Columbus
Michael Alan Moore.....	Columbus
Seah P. Nisam.....	Dayton
John Edward Nowacek.....	Euclid
Ralph Edwin Oberly.....	Urbana
Patrick Pierce O'Shea.....	Columbus
David Arthur Pack.....	South Point
Leonard Pass.....	Brooklyn, N. Y.
Malcolm Lawrence Pollard.....	Akron
Robert Louis Radle.....	Cleveland
Margaret Dorothy Rausch.....	Plain City
James Simon Ridgeway.....	Columbus
Nicholas Edward Rinaldi.....	Cleveland
Daryl John Rinehart.....	Urbana
Donald Gordon Rose.....	Dublin
Joel Donald Rosenberg.....	Cleveland Heights
William Henry Safranek III.....	Columbus
Donald William Samuels.....	Youngstown
George Edwin Schaeffer.....	Columbus
Roy A. Schlabach.....	Charm
Terence Malcolm Schmahl.....	Mansfield
Donald Schwartz.....	Youngstown
Marshall Allan Shapiro.....	Toledo
Shirley Ann Sharpe.....	Columbus
Allen Keith Sheets.....	Gallipolis
Daniel McConnell Shellhammer.....	Ashtabula
David Lenaurd Smith.....	Lancaster
Sylvia Judith Smith.....	Columbus
William Theodore Stalter.....	Dayton
Karlene Marie Stark.....	Columbus
Wilford Cameron Stevens, Jr.....	Crewe, Va.
Karl Joseph Stout.....	Shelby
Francis Morgan Taylor.....	Marion
Terry Lee Teets.....	West Liberty
John Edward Tolle.....	Canton
Dennis Lynn Trapp.....	Obetz
Linda Anne Trees.....	Columbus
Michael Arthur Tuthill.....	Columbus
Gerald Emerson Urbschat.....	Kettering
Stephen Dana Veirs, Jr.....	Cincinnati

Robert David Wagner.....	Mt. Gilead
John Gabriel Wagnitz.....	Columbus
Bik-Yue Wai.....	Hong Kong, China
William Forbes Wallace.....	Columbus
Kevin Joel Weidenbaum (cum laude).....	Columbus
Melvin Lawrence Weisblatt.....	Cleveland Heights
Darrell Keith Wells.....	Westerville
William Lawrence White.....	Worthington
James Franklin Williams.....	Dennison
John Parks Wingard.....	Fremont
Karen Anne Wise.....	Dayton
Delpha Shaver Wolf.....	Columbus
Gordon Lynn Worstell.....	Zanesville
Raymond Elmer Yeager, Jr.....	Brecksville
Michael Bruce Young.....	Elkview, W. Va.
Judith Anne Zickefoose.....	Canal Fulton
Haralambos Constantine Zoganas.....	Columbus

(One hundred and thirty-five candidates)

### **Bachelor of Science in Medical Technology**

Carol Marie Colombo.....	Fairborn
Nancy Lee Cramer.....	East Sparta
Chary Lou Gow.....	Elyria
Mary Lee Jones.....	Cleveland Heights
Earl Allen Scarr.....	Coshocton
Virginia Maye Stamman.....	Massillon
Carol Lee Warner.....	Toledo

(Seven candidates)

### **Bachelor of Science in Physical Therapy**

Carol Ann Cook.....	Cleveland
Jean Ann Creager (cum laude).....	Zanesville
Bonnie Jean Dill.....	Girard
Sara Kay Evans.....	Jackson
Deborah Cecil Friedman.....	University Heights
Ruth Lynette Friend.....	DeGraff
Dorothy Theresa Grospitch.....	Cleveland
Marjorie Irene Hart.....	Akron
Patricia Ann Langenderfer.....	Delta
Mary Eileen Mishler.....	Cleveland
Jeannette Moyes.....	Elyria
Mary Pringle Phillips.....	Chillicothe
Myron Thomas Recob.....	Columbus
Susan Joan Sohner (cum laude).....	Columbus
Nancy Leanna Twyford.....	Alexandria
Patricia Ann Tyson.....	Trinway
Donald Arden Vogelgesang.....	Canton
Juanita McNeal Weaver.....	Prospect
Beth Ann Westenberger.....	Lancaster
Sarah Elizabeth Zoll.....	Perrysburg

(Twenty candidates)

## SCHOOL OF JOURNALISM

### Bachelor of Arts

Sheldon Martin Berman.....	Mansfield
Nancy Mae Berry.....	St. Clairsville
Fredric Roger Dulaney.....	Zanesville
Joy Ann Fischer (cum laude).....	Columbus
Emil John Hecker.....	New Lexington
Athene Karis.....	Canton
John William Kauffman.....	Urbana
Bennie Harold Kline.....	Mt. Gilead
Nan Lesan.....	Lebanon
Judson Rea Shelnutt.....	Barberton
James Cassius Smith.....	Marion
Jordan Vladimir Traikoff.....	Columbus
William Emery Worth.....	Cincinnati

(Thirteen candidates)

## SCHOOL OF OPTOMETRY

### Bachelor of Science in Optometry

Charles Anthony Bongiovanni, B.S. (University of Detroit)...	Detroit, Mich.
Terry Glenn Bright, B.Sc.....	Washington C. H.
Joseph Calloway Carr.....	Columbus
James Joseph Cattarin.....	St. Marys
Gary Edward Cole.....	Bucyrus
Wendell Elber Diehl, Jr. (cum laude).....	Monroe
David Morgan Dreffer.....	Montpelier
Roy Usaku Ebihara.....	Cleveland
Robert Freeman Flagel.....	Middletown
Ralph David Freeman, A.B. (Miami University); B.Sc....	Cleveland Heights
Martin Maurice Goldhaber, B.S. (West Virginia University); M.S. (University of Tennessee).....	Columbus
Edward Clifton Hyre, B.Sc.....	Lost Creek, W. Va.
Lija Lapsins.....	Xenia
Stanley Norman Lutz.....	Elyria
William Virgel McMullen.....	Cincinnati
Clyde William Oyster (cum laude).....	Marietta
Edward William Phillips, Jr., B.Sc.....	Lakewood
John Eric Romig.....	Uhrichsville
Louis William Schueneman.....	Cincinnati
Robert Lewis Shapiro.....	Shaker Heights
John Richard Spaniol, B.S. in B.A. (John Carroll University)....	Cleveland
Michael Paul Steller.....	Columbus
Robert Dale Strohl.....	Springfield
Louis Ronald Urban.....	Fairport Harbor

(Twenty-four candidates)

# COLLEGE OF COMMERCE AND ADMINISTRATION

Dean: JAMES R. MCCOY

## Bachelor of Science in Business Administration

Fred Harman Abel.....	Columbus
Marylinda Jane Aikins.....	Mentor
Reese Elroy Alban.....	Newark
Mary Jayne Archibald.....	Lakewood
Frederick Melvin Ash.....	Columbus
Jeffrey Auerbach.....	Cedarhurst, N. Y.
Mohammad Towfiq Aziz, B.Sc. (University of Karachi)...	Karachi, Pakistan
James Patrick Ballenger.....	Marion
Warren Lee Barry.....	Dayton
James Arthur Becker.....	Columbus
Rodney Robinson Blake, Jr.....	Sidney
William Thomas Bownas.....	Columbus
Steven Charles Broughton.....	Akron
Harry Edward Brown.....	Columbus
Kathleen Ann Brown.....	Youngstown
Paul Hollis Brown.....	Worthington
Charles Franklin Brunner.....	Troy
Wayne Francis Chelikowsky.....	Circleville
Eugene Choy.....	Jersey City, N. J.
Larry Keith Churchman.....	Blacklick
Paul Gary Clouse.....	Columbus
Joseph William Coleburn III.....	White Sulphur Springs, W. Va.
Jimmie Daire Collins.....	Columbus
Jo Ann Lichtensteiger Cooper.....	Ohio City
Valentine Thomas Coppo.....	Cleveland Heights
Joseph Flynn Cotter.....	Little Falls, N. Y.
Ann Allison Cowgill.....	Columbus
John William Creamer.....	Wilmington
Rex Jerold Crockett.....	Cincinnati
Richard Mark Davies.....	Billings, Mont.
Stanley Allen Davis.....	Shaker Heights
Neil Burnham Distelhorst.....	Galloway
Larry Earl Dodds.....	Huntsville
Gary Gene Dougherty.....	Columbus
Roger Scott Downes.....	Burton
Charles Duffy.....	Springfield
Carol Kuenning Dunk.....	Columbus
James Joseph Elbe.....	Cleveland
Richard LeRoy Ellinger.....	Lancaster
Ronald Zane Emmons.....	Columbus
Michael Francis Englehart.....	Tiffin
Kenneth Louis Eppich.....	Gates Mills
Wayne Edward Fairchild.....	Cambridge
Richard Lee Farst.....	Marion
Robert Douglas Fellows.....	Zanesville
Richard Blain Field.....	Akron
David Brian Flaherty.....	Barberton
Edward Andrew Flask.....	Youngstown
Michael Jon Foft.....	Burton
Charles Elwood Foreman.....	Dayton
Wendy Lynne Frank.....	Akron

Robert Beall Franklin, Jr.....	Columbus
George Joseph Franzen, Jr.....	Springfield
*James Edward Frasier.....	Lima
Alfred Friedman.....	Columbus
Gary Bruce Garson.....	Cleveland
Robert John Gaston.....	Columbus
Julie Price Gease.....	Columbus
Donald Eugene Gibbons.....	Massillon
Geraldine Roberta Goles.....	Washington, N. Y.
Joel Sheldon Gottlieb.....	Cleveland
John Christopher Gray.....	Dayton
James Victor Griesen.....	Canton
Richard Ward Griffith.....	Delphos
Gary Reese Griffith.....	East Palestine
Jerry LeRoy Grubb.....	Marysville
Donald Eugene Hackworth.....	Columbus
Edward Kenneth Hadden, Jr.....	Worthington
David George Haney.....	Fostoria
Stephanie Louise Harnick.....	Coldwater
Philip Marlowe Hazelton.....	Lancaster
Roger Lee Hazelton.....	Columbus
Philip A. Headley.....	Flushing, N. Y.
David Howard Hebble.....	Springfield
Robert Elden Hicks.....	Canal Winchester
Claude Meredith Hilton.....	Eaton
Judith Lynne Hite.....	Sunbury
James Bertram Hochman.....	Dayton
James Gordon Hyre.....	Youngstown
Robert Clayton Irwin.....	Columbus
Charles Merrill Johnson.....	Columbus
Milton Lee Johnson.....	Forest Hill, Md.
James Morrison Johnstone.....	Columbus
Robert Lee Jones.....	Grove City
Robert Slough Juergens.....	Parma
Michael Burt Kahn.....	University Heights
Kenneth Stanley Kalinoski.....	Westlake
Perry Michael Kantner (summa cum laude).....	New Knoxville
Mary Katherine Kirsch.....	Portsmouth
Kenneth Martin Knudsen.....	Pittsburgh, Pa.
Bernard Ralph Kraft.....	Euclid
Evan Baird Kress.....	Columbus
Ronald John Kuhel.....	Cleveland
James Edson Kyle.....	Athens
Howard Lee Lambert.....	Bellefontaine
Richard Lee Lancione.....	Bellaire
Chester William Landefeld.....	Newark
Brant Angus Larrimer.....	Columbus
Lawrence Dale Latham.....	Youngstown
Edward William Lewis, Jr.....	Cadiz
Edward Joseph Lingo.....	Columbus
Neal Hall Magee II.....	Columbus
John Burnap Mains.....	Findlay
Ben Franklin Marsh.....	Mansfield
Edward Anthony Matto.....	Toronto
David Evan Maxwell.....	Columbus
Roger Edward McComb.....	Middletown
James William McCord.....	Worthington



William Miller McLaughlin.....	Columbus
Leonard Royal McMaster.....	Columbus
Samuel Lloyd Mead.....	Akron
Terry Allen Michael.....	Bay Village
William Lee Mielke.....	Columbus
Alan Bratten Miller.....	Fairborn
Robert Andrew Miller.....	Upper Sandusky
James Allen Minton.....	Columbus
Edwin Allgire Mitchell, Jr.....	Springfield
George John Moldovan.....	Southington
David Dee Moon.....	Greenfield
George Boswell Moseley III (cum laude).....	Litchfield, Conn.
Albert Naum.....	Columbus
Edward Stanley Nemo.....	Cincinnati
Jackie Lee Neuman.....	Lima
Edward Allen Nicholson, Jr.....	Columbus
Orrin Bruce Nordstrom.....	Loveland
Michael Chatlain O'Brien.....	Newark
Larry Stuart Okun.....	Toledo
Kenneth George Patterson.....	Springfield
Ruth Ann Perdue.....	Bucyrus
Paul Edwin Perry.....	Columbus
Samuel LeVerne Pierce.....	Richwood
Robert Arthur Pimsner.....	Sandusky
William Andrew Polt.....	Lancaster
Jack Charles Presutti.....	Wellsville
Robert Lee Prior.....	Columbus
Charles Godfrey Rapp.....	Columbus
Donald Eugene Rauch.....	New Lebanon
William Richard Reesman.....	Madisonburg
Lawrence Joel Rich.....	University Heights
Donald Bruce Rickelman.....	Coshocton
Dennis Alan Roth.....	South Euclid
Robert Alan Rothman.....	Cleveland
Richard Turchin Rubin.....	Cleveland
Fred Luther Rutz.....	Chardon
Michael David Saad.....	Zanesville
Daryl Theodore Sanders.....	Cleveland
Louis Bernhardt Schaefer.....	Berea
Helfried Adolph Schaffranek.....	Cleveland
Bert Merrill Schecter.....	Shaker Heights
Paul William Schreiner.....	Columbus
William Curtis Scott.....	Waverly
Melvyn Phillip Shaw.....	Shaker Heights
Clayton Edgar Shea.....	St. Marys
George Nelson Simpson.....	Columbus
John Gordon Slauson.....	Columbus
William Oran Smeltzer.....	Gallipolis
Charles John Smithberger.....	Lorain
Homer Eugene Spence.....	Lorain
Joseph Spinelli (cum laude).....	Columbus
Alan Hugh Steenson.....	Columbus
Donald Raymond Stein.....	Washington, D. C.
David Cook Stephenson.....	Bemus Point, N. Y.
William Budd Stephenson III.....	Cincinnati
William Glen Stewart.....	Rocky River
Ernest Frank Strauss.....	Euclid

Daniel Patrick Thomas.....	Youngstown
Stephen Newell Thornborough.....	Columbus
Jerry Dale Todd.....	Cincinnati
Nancy Wicks Trogus.....	Xenia
Frederick Branson Unger.....	Rocky River
Jerome Wayne Vogel.....	Columbus
Robert Louis Vogel.....	Columbus
Richard Paul Wagner.....	Glen Oaks, N. Y.
Richard Harry Walker.....	Tulsa, Okla.
James Leland Walters.....	Columbus
William Richard Walton.....	Ironton
Fred Bingham Warden, Jr.....	Columbus
Judith Ann Watkins.....	Uhrichsville
Roland Wesley Watters, Jr.....	Akron
Richard Marsh Welshans.....	Painesville
Daniel George Wiles.....	Columbus
Ronald Leroy Wiley.....	Columbus
Roy Edward Williams.....	Dennison
Leslie Earl Wilson.....	Columbus
Edward Charles Wingenbach III.....	Chardon
Roger Julius Wolf.....	Minster
Barbara Young.....	London
James Douglas Young.....	Galion
Dirk Eugene Zeiters.....	Shelby
Gerald Charles Zeman.....	Maple Heights

(One hundred and ninety candidates)

#### **Bachelor of Science in Social Welfare**

Diane Windom Brown.....	Reynoldsburg
Charles David Cottrill.....	Columbus
James Norman Dunn.....	Urbana
Bradley Erwin Engert.....	Columbus
Judith Lee Hudson.....	Delaware
Bertha Luise Ihnat.....	Fremont
Donise Thorson Lent.....	Toledo
Pearl Linda Levin.....	Rock Island, Ill.
Nancy Susan McCabe.....	Columbus
Harry Robert Melcher.....	Mt. Vernon
Yvonne Ada Method.....	Columbus
Frances Sue Myers.....	Akron
Susan Jean Pryor.....	Columbus
Shirley Caroline Rollnick.....	Dayton
Vicki Ellen Sarbach.....	Hinckley
Eva Elizabeth Schiefer.....	Barberton
Maxine Beryl Schultz.....	Chicago, Ill.
Sydell B. Shapero.....	University Heights
Neal Elwood Shover.....	Columbus
Patricia Luella Stant.....	Columbus
Janice Anne Stephens.....	Columbus
Regis Harry Steward.....	Columbus
Patricia Kay Young.....	Logan

(Twenty-three candidates)

# COLLEGE OF DENTISTRY

Dean: WENDELL D. POSTLE

## Doctor of Dental Surgery

George Henry Aberth, Jr.	Akron
James Emmitt Addis, A.B. (Ohio University)	Barberton
Edward William Art, B.S. (M.E.) (University of Wisconsin)	Columbus
John Edgar Avery	Columbus
Edwin Willson Baker	Clyde
John Allan Barnhill, B.A.	Marion
David Charles Beckley	Akron
Charles Richard Bennett (cum laude)	Dayton
Theodore Berg, Jr., B.Sc. (cum laude)	Elyria
Ronald Paul Berkowitz, B.Sc. (cum laude)	Columbus
Gary Arlin Betz (cum laude)	Minerva
Dale Wade Blaine	Rocky River
Clarence William Blosser	Logan
Cecil Harold Bondy	Newark
Merle Taylor Boyd, B.S. (Bowling Green State University)	Morenci, Mich.
David Edward Brandfass	Columbus
Stanley Braun, B.M.E. (New York University) (summa cum laude)	Columbus
Ronald Lee Bricker, B.S. (Geneva College)	East Liverpool
William Thoburn Brown	Circleville
Daniel Shriver Bunner, B.Sc.	Columbus
Geary Carver Bush, B.Sc.	Napoleon
Harold David Canin, B.Sc. in Bus. Adm.	Columbus
Donald Michael Centofante, B.S. in Edu. (Northwestern University)	Campbell
Charles William Chalfin	Kenton
Charles Wilbert Chow, B.S., M.S. (Bradley University)	Columbus
Thomas Albert Clements	Hamilton
Gerald Colbert	University Heights
Wilford Dell Conn	Millersburg
James Costas, B.S. in Bus. Adm. (University of Dayton)	Dayton
George Ralph Craig, Jr.	Mansfield
Warren Lynn Craig	Washington C. H.
James William Davis	Columbus
John Frederick Downard	Bremen
Roland Charles Duell, Jr.	Dayton
Karl Wilfried Elias, B.S. (University of Dayton)	Dayton
Robert Eli Elson, B.A.	Warren
Thomas William Evans, Jr. (summa cum laude)	Cuyahoga Falls
John Ward Ewalt, B.A.	Mt. Vernon
Sanford Allen Firestone	Lorain
Leonard Hyman Fram	Cincinnati
G. Russell Frankel	Cincinnati
Lawrence Arthur Fried	Warren
Chalk Fry	Columbus
James D. George	Akron
Barry Lee Gilbert	Dayton
Robert Raymond Gilbert, Jr., B.S. (Denison University)	Dayton
Stephen Copeland Gladwin III	West Richfield
Marshall Phillip Goldberg	Columbus
Keith Allen Gordon, A.B. (University of Michigan) (cum laude)	Dover
John Frederick Graver	Lindsey

Saul Douglas Hacker.....	Hamilton
Richard Lee Hamilton (cum laude).....	Hamilton
Morris Lamar Hicks.....	Fredericktown
Brian Paul Hill.....	Columbus
William Joseph Hill.....	Sandusky
Donald Joseph Hirt, B.A. (Ohio Wesleyan University).....	South Euclid
Richard Earl Huss, A.B. (Capital University).....	Haskins
Arthur Clifton Huston, Jr.....	Portsmouth
John DeWitt Jacob.....	Columbus
Gilbert Jacobson, B.Sc. in Edu.....	South Euclid
Philip Boyd Johnson, B.Sc.....	Burton
Peter George Jonson.....	Columbus
Ronald Anthony Karpanty, B.S. (University of Michigan).....	Toledo
William Frederick Kern III.....	Columbus
John Leroy Kibler.....	East Palestine
James Henry Lange.....	Toledo
Byron Todd Leidtke, B.Sc. in Agr.....	Canton
Myron Lepore, B.S. Ed. (Ohio University).....	Youngstown
Constantine Londres.....	Youngstown
Kenneth Howard Manifold.....	Monroe
Robert Dennis Matz (cum laude).....	Canton
Joseph Samuel Mazzotta, B.S. (University of Dayton).....	Dayton
James Richard McFarland.....	West Union
Orval William McFarland, A.B. (Ohio Northern University).....	Ada
Clarence Leroy McNair, B.A. (Kent State University).....	Akron
Robert Benning McWilliams (cum laude).....	Columbus
John Donald Moorhead, B.Sc.....	Lorain
John Alan Morgan, B.S. (Miami University).....	Cincinnati
John David Mosher.....	Mt. Gilead
John Harvey Moyer, B.Sc. in Edu.....	Columbus
James Mulvaney (cum laude).....	Dayton
*Karl Smith Musgrave.....	Tipp City
Terrance Edward Nessif, B.Ed. (University of Toledo).....	Toledo
David Nutkin, B.Sc.....	Cleveland
George Oklok.....	Hopedale
Conrad Newton Ottelin, B.S. (Kent State University).....	Lakewood
Joseph Edward Papania.....	Springfield
John William Patt, B.Sc. in Edu.....	North Lawrence
Donald Peppercorn, B.Sc. in Phar.....	South Euclid
Malcolm Allen Perlich, A.B. (Oberlin College).....	Cleveland
Bradford Weber Porter (cum laude).....	Akron
Terry Lee Powell, B.A. (Muskingum College).....	Newark
Thomas Edward Powell.....	Norwood
John A. Ramseyer, Jr.....	Columbus
Gary Lynn Riggs.....	Akron
Ira Keith Riggs, A.B. (Ohio University).....	Pomeroy
Harold Dean Robinson, A.B. (Ohio University).....	Loudonville
Lewis Irvin Rosin (cum laude).....	Hamilton
Peter John Rosko, B.A. (Youngstown University).....	Youngstown
Carl Richard Ross.....	Dayton
John Philip Rothacker.....	Fremont
Richard Starling Runkle, B.S. (Otterbein College).....	Fletcher
William Asa Russ.....	University Heights
George Anthony Saadey, B.A. (Youngstown University).....	Youngstown
Genevieve Jeanne Schiffmann, B.S. in Med. Tech. (University of Dayton) (summa cum laude).....	Dayton

\* Two degrees

Lary Jay Schiller, A.B. (Western Reserve University) (cum laude) Dayton  
 Robert Huber Schroeter, B.A..... Marion  
 Ronald Dale Sherman..... Cleveland  
 Rudolph Francis Skerl, Jr., B.S. (John Carroll University)..... Cleveland  
 William Ernest Sloan..... Carrollton  
 Robert Dale Smith, B.Sc..... Dover  
 Larry Dee Snyder..... Columbus  
 Ronald Albert Sternicki, B.S. (University of Oklahoma).... Garfield Heights  
 Roger Allan Stock, B.A..... Columbus  
 Carl William Streicher, B.S. (University of Notre Dame)..... Ashtabula  
 John Bernard Strong, Jr., B.S. in Pharm. (University of Cincinnati)

Cincinnati  
 Norman Louis Strutner, B.A..... Columbus  
 Thomas John Teynor, B.Sc..... Bucyrus  
 Aaron Mayer Tiktin, A.B. (Western Reserve University)..... Cleveland  
 Peter John Tsaknis, B.Sc..... Campbell  
 Seymour Meyer Ullman, A.B. (Western Reserve University)

Cleveland Heights  
 Joseph Decker Van Horn..... Canton  
 James Francis Vaughn, B.Sc..... Youngstown  
 John Alden Wadsworth, B.S. (University of Toledo)..... Fremont  
 William Francis Wadsworth, B.S. (Ohio University)..... Mansfield  
 Ronald Burton Ward, B.A..... Ironton  
 \*Shirley Ann Weierman..... Lima  
 Barton Roe Welsh..... Toledo  
 Herbert Leon White..... Cincinnati  
 Jack Allen Whittaker, B.S. (Bowling Green State University)

Bowling Green  
 Roger Lew Williams, B.Sc..... Columbus  
 Robert Craig Wissner..... Elyria  
 \*Richard Joseph Wroblewski..... Columbus  
 Barth David Yost..... Fredericktown

(One hundred and thirty-four candidates)

### Certificate of Graduate Dental Hygienist

Laraine Kuhlman Armstrong..... Kettering  
 Jane Ann Babcock..... Toledo  
 Carolyn Ann Bartolomucci..... Shadyside  
 †Margaret Susan Bowman..... Berea  
 Donna Backer Breen..... Cincinnati  
 Ruth Shirley Brigleb..... Perry  
 Cheryl Darlene Brown..... Columbus  
 Grace Ann Brown..... Lima  
 Pamela Lynne Brunk..... Springfield  
 Judith Ann Burngen..... Canton  
 Eliza Ann Busenburg..... Columbus  
 †Joan Maria Caponigro..... Shaker Heights  
 Barbara Arps Churchill..... Delta  
 Patricia Ann Cianelli..... Columbus  
 Beth Ann Clark..... Cleveland  
 Sharon Jayne Clark..... Cincinnati  
 Sue Ann Clark..... Columbus  
 Sheila Theresa Clarke..... Euclid  
 Bonnie Lee Corwin..... Marion

\* Two degrees

† Degree and certificate

Margie Sue Dailey.....	Gallipolis
Linda Faye Davis.....	Columbus
†Susan Elizabeth Davis.....	Columbus
Sally Lou Earich.....	Delaware
Marjorie Jane Elliott.....	Caldwell
Sara Jane Farrington.....	St. Louis, Mo.
†Carol Jeanne Fischer.....	Cincinnati
Karen Jean Fishbein.....	Beachwood
Sheila Miriam Fraigun.....	Shaker Heights
Barbara Rae Friedman.....	Canton
Joan Edith Gabriel.....	Youngstown
†Carole Elaine George.....	Kettering
Constance Sue Given.....	Newark
Marilyn Jo Hanger.....	Columbus
Diane MacDonald Hockman.....	Columbus
Martha Gail Hoffman.....	Cincinnati
Sarah Margaret Hughes.....	Shadyside
Claudia Kay Johns.....	Wooster
Elizabeth Anne Johns.....	Dayton
Linda Jane Johnson.....	Toledo
Suellen Johnson.....	Logan
Linda Louise Long.....	Bellaire
Beverly Appelblatt Louis.....	Dayton
Sondra Fran Lubitz.....	Cleveland
Bonnie Mae McEntire.....	Columbus
Vicki Jeanne Mendenhall.....	Huron
†Rochelle Hope Meyers.....	Canton
Marilyn Kay Miller.....	Mansfield
Mary Ann Miller.....	Rockford
Nickola Ellen Miller.....	Columbus
Linda Kay Powers.....	Columbus
Judith Ann Rataiczak.....	Bryan
Ann Kirk Reinhard.....	Lima
Suellen Crawford Ring.....	Lima
Billie Jean Roberts.....	Columbus
Karen Joy Romig.....	Solon
Catharine Elizabeth Roush.....	Newark
Sandra Sue Sarkkinen.....	Columbus
Sara Katherine Schaublin.....	Lima
Kathleen Ruth Shively.....	Akron
Carol Louise Skagenberg.....	Mentor
Sharon Lou Skinner.....	Pataskala
Jacqueline Lee Steinmetz.....	Euclid
Sheila Ann Stevenson.....	Ashtabula
Saundra Lee Strouse.....	Newark
Sharon Marlene Tischinae.....	Toledo
Judith Ann Watters.....	Waynesville
Barbara Jane Weisend.....	Columbus
Sarianne Williams.....	Toledo
Barbara Bonnie Wolf.....	Canton
†Judith Walker Zehner.....	Bellevue
Linda Diane Zelvy.....	Shaker Heights
Linda Elaine Zinn.....	Akron

(Seventy-two candidates)

† Degree and certificate

# COLLEGE OF EDUCATION

Dean: DONALD P. COTTRELL

## Bachelor of Science in Education

Hal Joel Abrahams.....	Cleveland Heights
Marlin Philip Abramson.....	Columbus
John Welk Ackerman.....	Elmhurst, Ill.
Marjorie Ellen Addis.....	Centerburg
Joanne Cole Adelman.....	Shaker Heights
Anita Tanzman Adelsberg.....	Cleveland Heights
Karen Holcomb Adkins.....	Hilliard
Marjorie Ellen Alban.....	Newark
Judy Anne Albertson.....	Worthington
Marilyn Jean Alcott (cum laude).....	Canfield
Judith Anne Alexander.....	Columbus
Dollie Fent Allen.....	Sabina
Sue Ann Bauer Allison.....	Columbus
Carol Barbara Anderson.....	Columbus
William Howell Anderson.....	Brecksville
Jack Edwin Armstrong.....	Huron
Joseph Paul Arthur.....	Columbus
Beverley Elaine Ashbrook.....	Chillicothe
Carl William Asp, Jr.....	Avon
Barbara Frances Atkin.....	Cleveland
Robert Milton Augspurger (cum laude).....	Upper Sandusky
Penelope Anne Avren, B.Sc. in Bus.Adm.....	Columbus
Sandra Ann Badgley.....	Columbus
James Lee Bailey.....	Orrville
Martha Judith Baiman.....	Shaker Heights
Donny Ray Baker.....	West Mansfield
Ann Elizabeth Baldrige.....	Marysville
Nancy Jane Ballitch.....	Shiloh
Nicholas Larry Bardash.....	Louisville
Norton Lee Barnes.....	Circleville
Violet Diefenbach Barnett.....	Columbus
*Sylvia King Basch.....	Granville
Lynn Basman.....	Charleston, W. Va.
Marilyn Gay Basnett.....	St. Clairsville
Thomas Virgil Battenberg.....	Kettering
Judith Magnuson Beal.....	Lancaster
Judith Ann Beckenstein.....	South Euclid
Thomas Henry Beerman.....	Delphos
Robert Walter Begland.....	Gnadenhutten
David Lee Bell.....	Mansfield
Dennis Gerald Belle.....	Newcomerstown
John Edward Bender.....	Canal Winchester
Carol Joyce Bennett.....	Cincinnati
Connie Sue Bennett.....	Wilmington
Lynne Elizabeth Bennett.....	Columbus
Nancy Lou Bennett.....	Columbus
Jane Emch Beougher.....	Rittman
Adele Fern Berger.....	Lorain
Laura Dozet Bernhard, B.A.....	Columbus
Mildred Hanshoe Berry.....	Mt. Vernon, Ind.

\* Two degrees

Harold Neal Billman.....	Columbus
Ellen Parker Blake.....	Columbus
Suzanne Evelyn Blamer.....	Newark
Sandra Stein Bloom.....	Worthington
Betty Jean Bobby.....	Amsterdam
Carl Edward Bobo, Jr.....	Columbus
Jean Ann Boggs.....	Hamilton
Gail Lynne Bookman.....	Cincinnati
Kristin Borglund.....	Shaker Heights
Robert Lee Born.....	Uhrichsville
Charles Earl Boughton.....	Akron
Myra Joy Brahms.....	Bexley
Michael William Breen.....	Columbus
Joan Ellen Brim.....	Rochester, N. Y.
Howard Philip Brown.....	Cleveland
Martha Jean Brown.....	Columbus
Martha Katharine Brown.....	Miamisburg
Peggy Lee Brown.....	Delaware
Edith Jane Bryan.....	Cincinnati
Charles Summerfield Bryant.....	Zanesville
Mary Jane Bryers, B.Sc.....	Cuyahoga Falls
Georganna Ruth Buxton.....	Zanesville
Rebecca Jean Byers.....	Worthington
Joretta Marlene Cabaniss (summa cum laude).....	Richmond, Ind.
Paul Cochran Caley.....	Columbus
Jennette Condon Callahan (cum laude).....	Hilliard
Susan Cameron.....	Zanesville
Linda Sue Carlisle.....	New Philadelphia
William Albert Carter.....	Columbus
John Lewis Cisler.....	Canton
Suzanne Kay Claypoole.....	Worthington
†Roger Lee Coate.....	Celina
Larry Douglas Coffman.....	New Lexington
Jo Ann Cohen.....	Akron
Sara Jane Collins.....	Cleveland
Corrine Snyder Cope, A.B. (Ohio University); M.S. (Western Reserve University).....	Columbus
Walter Charles Corbett.....	Ravenna
Franklin Thomas Cory.....	Columbus
Victor Beery Cox.....	Manchester
Gary David Crawford.....	Dayton
Judith Earline Crews.....	Dayton
Karen Frances Crites.....	Tallmadge
Randall Eugene Crites.....	Stoutsville
Emily Lou Crose.....	Westerville
Gloria Kay Croy.....	Dayton
Carolyn Ann Cabbage.....	Columbus
Joan Henning Cunningham.....	Hamilton
Marian Pflaum Darby, B.Sc. in Bus.Adm. (cum laude).....	Columbus
Deanna Roberta Darrow.....	Columbus
Katharine Ann Daubenmier.....	Mt. Vernon
Sarah Ellen Davidson.....	Columbus
Clifford Irving Dawson.....	Thompson
Linda Margaret Decker.....	Columbus
Rebecca Leonhard Decker.....	Newcomerstown
Helen Demis.....	Uhrichsville
John Bruce Denton.....	Delaware



Diane Lee Detwiler.....	Lima
Roger Eugene Dieringer, Jr.....	Waynesburg
Dale Eugene Dildine.....	Leipsic
Ruth Ann Dodson.....	Columbus
Cheryl Kuns Doebl (summa cum laude).....	Green Springs
Linda Ann Donley.....	Springfield
Susan Barrett Dose.....	Columbus
Gary Kent Downs.....	Marion
*Gabriele Marie Doyen.....	Findlay
Jean Elizabeth Drexel.....	Mayfield Heights
Ann Aylard Droste.....	Fairview Park
Ruth Ann Drumheller (summa cum laude).....	Ravenna
Vicki Foster Dumford.....	Urbana
Karl Kennedy Dunlap, Jr., B.A. (Bethany College)....	La Grange Park, Ill.
Sharon Lucille Edwards.....	Columbus
Rebecca May Ekers.....	Akron
Frankie Estella Ellis.....	Columbus
Jon Michael Enochs.....	Bellefontaine
James Keith Essman.....	Mansfield
Ray Leslie Eubanks.....	Cambridge
Eugene Richard Evans.....	Dayton
Marilyn Anne Evans.....	Worthington
Elisabeth Nancy Eysman.....	New York, N. Y.
Kathleen Theresa Fallor.....	Columbus
Albert Joseph Fam.....	Lorain
Richard Dale Farshler.....	Mansfield
Gloria Roka Fauver.....	Elyria
George Vladimir Fedynsky.....	Cleveland
Gayle Helene Feldman.....	Omaha, Nebr.
Barbara Ann Fenberg.....	Findlay
Beverly Kay Fenner.....	Hillsboro
Patricia DeBeck Ferguson.....	Columbus
Eileen Marie Fisco.....	Cleveland
David Lloyd Fisher.....	Cardington
Judith Booth Fisher.....	Dover
*Edward Amos Fisk.....	Conneaut
Barbara Ellen Flury.....	Oak Harbor
Susan Kay Foglesong.....	Byran
Phyllis Ruth Foust.....	Mansfield
Renee Schwartz Frankel (summa cum laude).....	Cincinnati
*James Edward Frasier.....	Lima
Virginia Alice Fravel.....	Reynoldsburg
James Henry Frederick.....	Trotwood
Donna Marie Freese.....	Dayton
Kent Walton Freshwater.....	Rocky River
Theodore Williams Freshwater.....	Rocky River
John Dean Freund.....	Mansfield
Sandra Jean Fried.....	Cleveland
Olivia Mae Friedberg.....	Ashtabula
Sharon Jaffee Friedman (summa cum laude).....	Toledo
Shari Smith Frutig.....	Rocky River
Gloria Diana Frydman.....	Dayton
Darrel Wayne Fyffe.....	Caledonia
Jayne Aura Gaines.....	Sebring, Fla.
Alice Darlene Gard.....	Amlin
Forrest Beryl Garner.....	Port Clinton

\* Two degrees

Kathryn Sue Gasdorf.....	Lima
John Francis Gerhart.....	Avon
Laura Ann Gerlach.....	Kent
Larry Gene Gettinger.....	Greenville
Don Franklin Gier.....	Columbus
Peggy Ann Glenn (cum laude).....	Columbus
Sidi Grunstein Gluck.....	Columbus
Norma Susan Goldberg.....	Winston-Salem, N. C.
Rosalie Tepper Goldman.....	Columbus
Sue Goldstein.....	Louisville, Ky.
Carol Lynn Goss.....	Cincinnati
Carl Keith Goudy.....	Dalton
Marianne Green.....	Cygnets
Joan Arlene Greenawalt.....	Cardington
Susan May Greenidge.....	Columbus
Kendra Wasley Gregg.....	Columbus
Margaret Knies Grill.....	Columbus
Edith Kay Grossman.....	Canton
Sandra Marie Gulyas.....	Centerville
Donald Ray Haas.....	Grantham, Pa.
Linda Lee Hack.....	Worthington
Mary Veronica Hadbavny.....	Canton
Nicholas Owen Hainen.....	Fostoria
Marcia Jane Hanna.....	Columbus
John Edward Harris.....	Columbus
Fern Lee Harrison.....	Cleveland
Dale Paul Hart.....	Versailles
Jeffrey Theodore Hartlage.....	Portsmouth
Ronald Ned Haswell.....	Strasburg
Charles Phillip Hawkins.....	Tallmadge
Carl Henderson Hawthorne III.....	Chillicothe
John Henry Hayes.....	Miami Shores, Fla.
Jayne Elizabeth Haynes.....	Ashtabula
John Victor Hazelbaker.....	West Union
Barbara Jane Hegler.....	Columbus
Barbara Ellen Herman.....	Shaker Heights
Rita Rosann Hersh.....	Lorain
Patricia Ann Hiatt.....	Columbus
Paul Brian Hickman.....	Portsmouth
James Jay Higbee.....	Defiance
Rose Marie Hill.....	Goshen
Barbara Dawn Hite.....	Findlay
Jeanne Krieger Hochman.....	Lyndhurst
Marta Lou Hoge.....	New Knoxville
Judith Kay Holloway.....	Springfield
Corinne Ann Hootman.....	Walbridge
Carol Lynne Hopkins.....	Steubenville
Marlene Eleanor Horton.....	Columbus
Annetta Marie Hover.....	Waynesfield
Gayle Catherine Humston.....	Middletown
Bruce Foster Hupp.....	Utica
Phyllis Jeanette Hupp.....	Springfield
Barbara Ann Huska.....	Orrville
Janice Louise Huston.....	Tallmadge
John Lee Hutslar.....	Springfield
Michael Clifton Hynes.....	Mt. Vernon
George Frank Hyrmer.....	Northfield

Beverly Kay Irwin.....	Columbus
Toby Lynette Jacobs (cum laude).....	South Euclid
Richard Zolton Jambor.....	Euclid
Carol Ann Janssen.....	Wayne, Pa.
Deanna Ruth Jeffers.....	Reynoldsburg
Lee Everett Johanson.....	Kenton
Timothy Phillip Johns.....	Cincinnati
Brenda Walsh Jones.....	Coshocton
Carol Lee Jones.....	Massillon
Jane Ann Jones, B.Sc. in Bus.Adm.....	Zanesville
Linda Elaine Kahn.....	Lorain
Deana Syva Kalman.....	Akron
Barbara Rosele Kanter.....	Columbus
Karen Soloway Katz.....	Beachwood
Sandra Lois Katz.....	Beachwood
Phyllis Shiela Kaye.....	Savannah, Ga.
Patricia Mae Keller.....	Columbus
Barbara Lu Kellogg.....	Forest
Diane Marie Kelsay.....	Columbus
Vernon Edward Keylor.....	Barnesville
Edson Lincoln Kidwell.....	Hilliard
William Edward Kimbrough.....	Hollis, L. I., N. Y.
Patricia Ellen Kirby, B.A. (Kent State University).....	Plain City
Nancy Lee Kittle.....	East Liverpool
*Anita Klein.....	Bayside, N. Y.
Sandra Lynn Klein.....	Youngstown
Nancy Ann Klinge.....	Massillon
Jean Mieko Kobayashi.....	Honolulu, Hawaii
Terry Beverley Kochman.....	University Heights
Kathryn Ann Koehler, B.Sc.....	Dayton
Nancy Jane Kohli.....	Lima
Albert Edward Kotsybar, Jr.....	Cleveland
Michael Patrick Kowalski.....	Lorain
Barbara Irene Kracker.....	Gahanna
Ellen Ann Kruger.....	Columbus
Ronald William Kruse.....	Amherst
Darlene Marie Kubishke.....	Vermilion
Roberta Christine Kulma.....	Fairport Harbor
Deanna Coe Kursh (cum laude).....	University Heights
Frederic Pierre Labrousse, B.Sc. in Bus.Adm.....	Andover
Judith Ann Lane.....	Dayton
Bonnie Feniger Lang.....	Shaker Heights
Susan Selma Lanz.....	Cleveland
Marjorie Hillson Lasky.....	Columbus
Suzanne Elizabeth Laughlin (summa cum laude).....	Jewett
Michael Charles Laukhart.....	Columbus
Sandra Sokolowski Lawrence.....	Parma Heights
Rochelle Fredelle LeBois.....	Shaker Heights
Patricia Mengert Lehr.....	Mansfield
Robert Keith Lehto (summa cum laude).....	Dublin
Susan Thea Leibowitz.....	Millburn, N. J.
Kay Nelia Lemasters.....	Massillon
Sally Chase Lemmerman.....	Willoughby
Margaret Louise Lemon.....	Kenton
Georgiann Lesko.....	Parma
Karen Joan Levin.....	Ossining, N. Y.

\* Two degrees

Jean Kathryn Lewis.....	Mansfield
Sharon Lynn Lewis.....	Columbus
Sharon Hope Libava.....	University Heights
Elizabeth Ann Lindahl.....	Columbus
Barbara Sue Lipton.....	Youngstown
Marsha Jane Livingston.....	Dayton
Carol Culver Lohr.....	Columbus
Jack Michael Lomano (cum laude).....	Columbus
Gary Roger Long.....	Edenton
Marcia Ilene Lopate.....	Toledo
Gloria Blanche Loveland.....	Chardon
Franklin Arthur Lovell, Jr.....	Berea
Joan Elaine Lucks.....	Reynoldsburg
Lynnette Sue Lynn.....	Lima
Cleophus Lyons.....	Cleveland
Bernadine Joanne Machock.....	Elyria
Sharon Cain MacInnis.....	Columbus
Linda Maria Maier.....	Pleasant City
Edward Ronald Maley.....	Steubenville
Carl Richard Malito.....	Girard
Constance Maria Mamas.....	Columbus
Bonnie Broughman March.....	Columbus
Sally Kall Marchi.....	Columbus
Sandra Renee Marks.....	Columbus
Loverne Nicholas Marlatt.....	Newcomerstown
Linda Kay Marshall.....	Carrollton
Harvey Walter Martin.....	Bradford
Lucille Faught Martindale.....	Columbus
Sue Elaine Matthews.....	Westerville
John Bryan Maxwell, Jr.....	Dayton
Paula Anne Mayer.....	Lakewood
Rita Ann Mazur.....	Lakewood
Barbara Fay McClain.....	Rocky River
Robert Smith McColaugh.....	Xenia
Elizabeth Cammett McCreary.....	Columbia, S. C.
Rebecca Kay McCurdy.....	Marion
Douglas Gerald McDonald.....	Fostoria
Winifred Stevens McFarland.....	Columbus
Marilyn Sue McGaughy.....	Byesville
John Michael McGinley.....	Lima
John Hudson McGriff.....	Columbus
Mary Ellen McKee.....	Columbus
Carol Ann McMillen.....	Canfield
Susanne McNeill.....	Bellefontaine
Anne Lois Mendelson.....	Hamilton
William Vandeven Merriman.....	Orrville
Bonnie Huck Mesler.....	Columbus
Marilyn Diane Metcalf.....	Mansfield
Irene Marie Meyer.....	Zanesville
Shirley Flint Michaels.....	Englewood
Barbara Miller.....	Akron
Betty Krimmel Miller.....	Circleville
Jack Loree Miller.....	Uhrichsville
Lawrence Howard Miller, B.Sc.....	Antwerp
James Sutherland Milligan.....	Upper Sandusky
*Terry Jill Mishey.....	Mansfield
Kay Eileen Mitchell (summa cum laude).....	Mt. Gilead

Alice Mary Mlynek.....	Shadyside
Gary Oscar Moeller.....	Lima
David Willis Moore.....	Mansfield
Richard Edwin Morgan.....	Shreve
John Franklin Morris.....	Delaware
Lois Ann Morris.....	Hilliard
Melinda Morrison.....	Rocky River
Martha Melissa Mossman (cum laude).....	Gallipolis
Emily Niemi Mummey (summa cum laude).....	Painesville
Sharon Lynn Murphy.....	Columbus
Dennis Lynn Myers.....	Akron
Peggy Elswick Nance.....	Columbus
Roger Louis Nealeigh.....	Greenville
Karen Bowsher Neeb.....	Lima
Linda Potter Neer.....	Sidney
Bion Frank Nephew.....	Kinsman
Patricia Jean Neville.....	Xenia
Linda Jean Newman.....	Wooster
Sue Ann Guillerey Norton.....	Bucyrus
Richard Craig Nudd.....	Worthington
Mae Michiko Nyuha.....	Aiea, Oahu, Hawaii
Carol Sue Oakes.....	Mt. Vernon
William John Olt III.....	Dayton
Kathleen Maureen O'Neill.....	Flushing, Mich.
Barbara Alice Ong.....	Dublin
Weston Fred Orloff.....	Willowick
Florence Ornstein.....	Cleveland Heights
William Larry Osborne.....	Wapakoneta
*Ann Linda Overtree (cum laude).....	Cincinnati
Sandra Elaine Oxley.....	Fremont
Mary Suzanne Oyer.....	Columbus
John Paul Palmer.....	Sandusky
Sandra Palmer.....	Belmont
Judith Mockabee Parken.....	Dayton
Sonya Jeanne Parsell.....	Forest
Sally Louise Paulus.....	Columbus
Rebecca Rose Paxton.....	Columbus
Jane Kaufman Payne.....	Milford Center
Susan Audine Pellegrini.....	Perrysburg
Patricia Eileen Petrash.....	Brecksville
Zenovia Phidakis.....	Cleveland
Lary Wayne Pinkley.....	Grafton
Charles Nicholas Pinneo.....	Eastlake
Dolores Renee Plasendale.....	Rocky River
Sandra Lee Polsky.....	Cleveland
Carol Lee Pratt.....	Endwell, N. Y.
Kathleen Franklyn Pretnar.....	Euclid
William Byron Price.....	Columbus
Norman Morris Punttenney.....	Columbus
Linda Kay Radabaugh.....	Toledo
Sandra Lee Rader.....	Columbus
Angeline Clark Rafferty.....	Napoleon
Catherine Mary Ramogida.....	Canton
Betty Jane Ramsey.....	Columbus
Maureen Ellen Ramsey.....	Bryan
John Reardon.....	Bradford

• Two degrees

Jean Claudette Recker.....	Ottawa
James Sheldon Redman.....	Newark
Jobyann Renick.....	Columbus
Patricia Lou Richards.....	Willard
Janet Mary Ricket.....	Columbus
Sara Mae Ridgway.....	Ashtabula
Ronald Lewis Riebel.....	Columbus
Marlene Jane Riggert.....	Cleveland
Carol Sue Riggs.....	East Liverpool
Dorothy Annette Robinson.....	Dayton
Nancy Stine Rockey.....	Columbus
Thomas Mikle Rodberg.....	Dayton
Donald Joseph Rogier.....	Fostoria
Carole Jean Rogovin.....	Cambridge
Ted Henri Rohrbach.....	Tipp City
Jolene Combs Rose.....	West Carrollton
Marilyn Carol Rose.....	Elizabeth, Pa.
Charlotte Louise Rosenquist.....	Worthington
Marshall Alan Rosensweet.....	Dayton
Gary William Ross.....	Columbus
Linda Rae Rotroff.....	Peebles
Jennie Alice Roush.....	Columbus
Alice May Rovitz.....	South Euclid
Ellen Irene Rozelle.....	Columbus
Arlene Claire Rubin.....	Cleveland Heights
Bernice Erbert Rucker.....	Westerville
Michael Philip Rupright, B.A.....	Marysville
Cyril Richard Rushay.....	Zanesville
Catherine Ann Rybolt.....	Chillicothe
Carole Elizabeth Rydquist.....	Santa Barbara, Calif.
Elaine Merle Sachse.....	University Heights
Susan Jane Saks.....	New Rochelle, N. Y.
Margaret Lorene Samuel.....	Columbus
Laurence Stephan Scafuro.....	Ashtabula
Phyllis Sylvia Schlanger.....	Reading, Pa.
Thomas Joseph Schlueb, A.B. (Saint Charles Borromeo College).....	Columbus
William Frederick Schneider.....	Alliance
Betty Jo Scott.....	Marion
Janet Irene Scott.....	Millersport
Sydney Louise Scott.....	Columbus
Sondra Lee Segal.....	Akron
Juliana Jane Segerstrom.....	Perrysburg
Dorothy Louise Seiberling.....	Barberton
Frieda Dianne Seitz.....	Cleveland
Carol Ann Selway.....	Cadiz
Joseph Sfligoj.....	Cleveland
Ardath Marie Sharp.....	Springfield
Carol Ann Sharp.....	Columbus
John Thomas Shasserre.....	St. Ann, Mo.
Max Leroy Sheets.....	Mt. Sterling
Gail Halkyard Sherer.....	Findlay
Jerry Lee Sheward.....	Jackson
Dorothy Jean Shields.....	Zanesville
Joan Karen Shultzman.....	Orrville
Rosemarie Cecilia Sicilian.....	Columbus
Jolene Crossen Sigman.....	Cambridge
Judith Naumann Silbaugh.....	Columbus

Marsha Bryna Silver.....	Cleveland
Rochelle Elaine Singer.....	Akron
Bonnie Rae Smith.....	Rocky River
James Edward Smith.....	Lima
Judith Linda Smith.....	New Philadelphia
Karen Sue Smith.....	Roslyn Heights, N. Y.
Sharon Eloise Smith.....	Columbus
Judith Lynn Snider.....	Shaker Heights
Donna Mae Broeske Snyder (cum laude).....	Bellville
Mary Ann Carpenter Snyder.....	Somerton
Paula Soutar.....	Toledo
Rodger Lee Southward.....	Circleville
Karen Kay Spangenberg.....	Kettering
Sandra Nan Spiegel.....	Cleveland Heights
Joe Bye Springer.....	Worthington
Sharon Lynn Stauffer.....	Columbus
Marcia Sue Stein.....	Cincinnati
Paula Honey Stein.....	Paterson, N. J.
Judith Middaugh Stemen (summa cum laude).....	Columbus
Sarah Lynne Stetson.....	Elyria
Sandra Marie Steuer.....	Shaker Heights
Mary Theresa Stocco.....	Columbus
Nancy Jean Stollins.....	Great Neck, N. Y.
Clara Rhodes Stone, A.B. (Indiana University).....	Columbus
Janet Baker Stone.....	Columbus
Patricia Eloise Stone.....	Mansfield
Betty Jean Straub.....	Columbus
Frances Helen Sukle.....	Cleveland
Judith Mylene Sullivan.....	Arcanum
Kathleen Ann Sullivan (cum laude).....	Urbana
Linda Laura Swartz.....	Berea
Gail Love Swilik.....	Bay Village
Suzanne Swope.....	Rocky River
Susan Frances Sydney.....	New York, N. Y.
Suzanne Talbott.....	Barnesville
Maureen Furniss Tandy.....	Edison
Margery Forbes Tarwinska, M.A. (University of Saint Andrews, Scotland)	Mt. Vernon
Kay Yoshiko Tateishi (cum laude).....	Honolulu, Oahu, Hawaii
James Richard Tatman.....	Blacklick
Clinton Eugene Tatsch.....	Westerville
Susan Margaret Taylor.....	Dayton
Thomas Lee Thackery.....	Marion
Sandra Elizabeth Thiel.....	Upper Sandusky
Carol Campbell Thomas, B.A. (cum laude).....	Columbus
Judith Evelyn Thomas (summa cum laude).....	Middletown
Marilyn Alice Thomas.....	Columbus
Covenia June Thompson.....	Rittman
Ronald J. Thompson, A.B. (Miami University).....	Walbridge
Rosemary Tidings.....	Hamilton
Kathleen Annette Tonti.....	Columbus
Katherine Louise Torges.....	Portsmouth
Karen Lou Townsend.....	Ponca, Nebr.
Donna Rae Traver (cum laude).....	Columbus
Karol Beatrice Tucker.....	Weehawken, N. J.
*Lois Jean Turner.....	Coshocton
Mary Alice Twining.....	Akron

Ronald Craig Ulm.....	North Canton
Mary Loretta Van Buren.....	Millersport
Jay Leo Van Dyke.....	Columbus
Hazel Yvonne Van Scyoc.....	Columbus
John Paul Van Voorhis.....	Columbus
Mary Nickolaos Vassilicou.....	Tripolis, Greece
Victoria Ann Verhoff.....	Columbus
Sharon King Vickers.....	Dresden
Marina Joy Vidoli, B.A. (Rosary College).....	Maumee
Barbara Lee Von Eschen.....	Columbus
*Donna Lee Wade.....	Willoughby
Charles Ronald Wagner.....	Bedford
Marilyn Joan Wallis.....	Cleveland
Susan Rebecca Ward.....	Worthington
*Janet Ann Warner (cum laude).....	Fredericktown
Juliana Sue Warner.....	Columbus
*David Arthur Watkins (cum laude).....	Lima
Eleanor Jean Watkins.....	Kenton
John Allen Watkins.....	Mansfield
Cynthia Jane Weber.....	Galion
Norma Pasekoff Weinberg.....	Pittsburgh, Pa.
Inez Fay Weiner.....	Shaker Heights
Alice Elizabeth Weir.....	Youngstown
Janet Blocker Weisenborn.....	Mansfield
Susan Elaine Weisman.....	Columbus
Robert Murray Weissberg.....	Cleveland Heights
Thomas Henry Welch.....	Columbus
Ronald Jerry Weldy.....	Piqua
Robert Adair Wells.....	Arcanum
Melinda Weymouth.....	Bellefontaine
Richard Scott Wheeler.....	Lucasville
Patricia Sue White.....	Springfield
Sue Lynn Whitehead.....	Bowling Green
Susan Jane Whitt.....	Columbus
Carl Frederick Wick.....	Worthington
Genevieve Renette Wilkins.....	Columbus
Darlene Miller Williams.....	Wapakoneta
*Dennis Murray Williams.....	Mansfield
James Edward Williams.....	Greenville
Janet Rose Williams.....	Columbus
Joan Beverly Williams.....	Columbus
Marcia Kay Williams.....	Columbus
Janet Diane Wilson.....	Las Vegas, Nev.
Judith Ann Wilson.....	Columbus
Nancy Ann Wilson.....	Circleville
Suzanne Mary Windmiller (cum laude).....	Columbus
Pearl C. Winter.....	Brooklyn, N. Y.
David Edwin Wolfe.....	Columbus
Lanny Lavon Wolfe.....	Columbus
Larry Lynn Wolfe.....	Alliance
Raymond B. Wolford.....	Findlay
Charles Edward Woodfill, B.S. in B.A. (Bowling Green State University)	Columbus
Linda Lee Woodmansee.....	Reesville
Renee Sandra Zelizer.....	Columbus

\* Two degrees



Greta Davidson Zidel.....Youngstown  
James Tipton Ziegler.....McArthur

(Five hundred and fifty-seven candidates)

### Bachelor of Fine Arts

Charles David Baldwin.....Toledo  
Cassandra Carolyn Brown.....Granville  
Virginia Louise Brown.....Greenville  
Janet Ruth Corbin.....Springfield  
Joan Susan Karn.....Akron  
Marlea Louise Laird.....Ashtabula  
Jean Annabella LaRue.....Kettering  
Roger Allen Martin.....Cincinnati  
James Robert Melton.....Andover  
Nannette Shene Milen.....Lexington, Ky.  
Thomas Ockerse.....Berea  
Donna Sue Pfeiffer.....Columbus  
Sue Anne Rothhar.....Lewistown  
Charles Howard Scott, Jr.....Mansfield  
Maurice Dale Smith.....Dallas, Tex.  
Bonnie Dieterich Stalter.....Kettering  
William James Williams.....Mentor

(Seventeen candidates)

### Bachelor of Music

William Lee Buelow.....Columbus  
Edward James Largent, Jr., B.Sc.....Columbus  
Albert Jacob Motter, Jr.....Mansfield  
Harry Howe Price.....Youngstown  
Jeanne Forsight Thrall.....Charlottesville, Va.  
Koun Tsujimoto.....Toyonaka-shi, Osaka, Japan  
\*David Arthur Watkins (cum laude).....Lima  
\*Dennis Murray Williams.....Mansfield

(Eight candidates)

### Bachelor of Science in Occupational Therapy

Jean Alice Anderson.....Cincinnati  
Nellie Lee Davis, B.S. (Denison University).....Granville  
Susan Shappell Pope.....Delaware

(Three candidates)

\* Two degrees

# COLLEGE OF ENGINEERING

Dean: HAROLD A. BOLZ

## Bachelor of Aeronautical and Astronautical Engineering

*Charles Keith Cretcher (summa cum laude)	Russells Point
Peter Phellis Dull, B.A. (Ohio Wesleyan University)	Celina
Richard Irwin Headapohl	Wapakoneta
James Leroy Heyde	Columbus
Kenneth Duns Korkan	Cleveland
Roger Chester Kreiter (cum laude)	Shadyside
Dale Ray McCormick	McConnelsville
Clarion Joe Morgan	Elyria
John Douglas Parr	Cleveland
Pasquale Phillip Renze	Youngstown
Kenneth Lewis Shooter	Lore City
Gerald Lowell Stebelton	Lancaster
George Henry Stickford, Jr.	Lancaster
Sidney Aaron Weinberg	Cleveland
David Graham Zielke	Paulding

(Fifteen candidates)

## Bachelor of Agricultural Engineering

Thomas Morrow Fulton	Casstown
*Daniel Edwin Gebhart	Germantown

(Two candidates)

## Bachelor of Ceramic Engineering

John Thomas Brown	Groveport
*Robert Van I. Chang	Kowloon, Hong Kong, China
William Henry Daniels	Swanton
Michael Uhrich Goodyear	Uhrichsville
Harry Lee Manning	Clyde
Howard Lee McCollister	Cleveland
Hugh Patrick O'Kane	Columbus
John Richard Schorr	Columbus
David William Smith	Galion
Robert Wayne Sparks	Uhrichsville

(Ten candidates)

## Bachelor of Chemical Engineering

Gary Lee Beeler (cum laude)	Lima
James Chin	Cleveland
William Campbell Corder	North Kenova
Jon Earl Fletcher	Columbus
Donald Lee Furry	Columbus
Scott Chalmers Gordon	Bolivar
Myers Giffen Hammond	Jacobsburg
Alan Lance Keller	Marion
Isabel Kay Logan	Kinsman
James Clayton Meck	Lorain
James Stanley Outland	Huntsville
Joseph Herbert Reitberger	Shadyside
Wilbur Howard Sidner	Genoa
William Donald Staten	Lancaster
Bruce Gilbert Strickland (cum laude)	Atlanta, Ga.

\* Two degrees

(Fifteen candidates)

## Bachelor of Civil Engineering

Ross Edwin Austin.....	Bowling Green
Michael Benza, Jr.....	Parma
*Carl Lynn Bowman (cum laude).....	Clarksville
William James Cooke.....	Columbus
*Gerald Leo Daily (cum laude).....	New Albany
Albert Marvin Dawson.....	Columbus
Alan McKay Forrester.....	Lakewood
James Edward Gabriel (cum laude).....	Columbus
George William Haggard.....	Marysville
John Patrick Hiltz.....	Norwalk
Michael Kent Hooper.....	Chillicothe
Frank James Humenik.....	Parma
Donald Dwight Kreider.....	Seville
Parviz Monadjemi.....	Esfahan, Iran
John Francis Nichols.....	Marion
Thomas Michael O'Reilly.....	Columbus
Lawrence James Papes.....	Willowick
George Ross Perry (cum laude).....	Maumee
Joseph Aloysius Ridgeway.....	Columbus
Norman Kent Schenck.....	Miamisburg
Hermann Schueller.....	Dayton
Thomas Dean Singer.....	Watertown, N. Y.
Oral Lester Smithers, Jr.....	Columbus
James Douglas Stauffer.....	Celina

(Twenty-four candidates)

## Bachelor of Electrical Engineering

William Stanley Andrews.....	Canton
Ronald William Brown.....	Columbus
William Wirt Brown III.....	Columbus
Gary William Burger.....	Newark
William Marshall Cooper.....	Hamersville
James Frederick Cooperider.....	Cincinnati
Tod B Galloway Dixon II.....	Columbus
Gary Leslie Elliott (cum laude).....	Chillicothe
Edward Allen Faine.....	Lakewood
Frank Henry Foster III.....	Toledo
Robert Allen Giovanini.....	Alliance
Thomas Paul Gordon.....	Bolivar
Donald Lee Grimm.....	Columbus
Iven Carl Hamby, Jr.....	Galena
Attila Hethelyi.....	Columbus
Michael Joseph Holliday.....	Campbell
Danny Kay Holtshouse.....	Galion
Joseph Anthony Kinzel (cum laude).....	Bremen
Roy Eugene McGown.....	Findlay
Peter Gardiner McNaughton.....	Columbus
Nicholas Joseph Miller.....	Eaton
John Glover Mohr.....	Paulding
Dennis James Morgan.....	Barberton
James Joseph O'Reilly.....	Columbus
William Bender Perkinson.....	Portsmouth
Edward Joseph Petrik.....	Lorain
Frank Henry Ramogida.....	Canton
Luther Eugene Rhoades.....	Bradford

\* Two degrees

Anthony Charles Rowe.....	Wadsworth
Blynn Dale Shafer.....	New Albany
Everett Lee Shaffstall (cum laude).....	Marion
Ervin Edson Shannon, B.S. in B.A. (Kansas State University)....	Columbus
Gerald Allen Shiffer.....	Miamisburg
Charles James Silcott.....	Columbus
Ronald Austin Slutz.....	Salem
Ronald Victor Steffel.....	Defiance
Marvin Dale Van Fossen (cum laude).....	Caldwell
Lawrence Allen White.....	Seaman
John Bennet Wiggins.....	Lorain

(Thirty-nine candidates)

### Bachelor of Industrial Engineering

Harry James Black.....	Hopewell
Gary Edward Bremer.....	South Bend, Ind.
*John Beecher Howenstine.....	Lima
Charles Bruce Hume.....	Wilmington
Edward Norris Johnson.....	Columbus
Jack Leroy McClanahan.....	Cuyahoga Falls
Ronald Irwin Miller.....	Bryan
Louis Wayne Shurman.....	Canton
George Boyd Stillwagon III, B.S. (Denison University).....	Canton
Thomas Kaye Wentz.....	Canton

(Ten candidates)

### Bachelor of Mechanical Engineering

Joseph Arthur Beebe.....	Wooster
Joseph Charles Calovini.....	Lafferty
William Leonard Clippard III.....	Cincinnati
Phillip Dean Cruise.....	Zanesville
David Arlen Dieterich.....	Kettering
Robert Loren Dotts.....	Houston, Tex.
Thomas Marshall Downie.....	Medway
William Richard Dye.....	Rocky River
Richard Perry Edwards.....	Loveland
Gordon Lee Haas.....	Cuyahoga Falls
Ronald Lamar Heiks.....	Oak Harbor
James Richard Hineborg.....	Pierpont
Kent Byers Horn.....	Bellville
Jim Leroy Keeler.....	Forest
*John William Kittle (cum laude).....	Old Fort
Norbert John Kraszewski.....	Cleveland
Shirish Chunilal Maniar, B.Sc. (Bombay University).....	Bombay, India
Charles Bernard Matson.....	Cincinnati
Alfred Jerome Mentzer.....	Adena
James Marion Miller.....	Canton
Ronald Irwin Milton.....	Columbus
Allen Karl Moore.....	Tiffin
Manouchehr Naraghi.....	Teheran, Iran
Harold Cheney Parish.....	Richwood
John Karl Pirnstill.....	Bucyrus
Robert Edward Randall.....	Grand Rapids, Mich.
Ronald Walter Ruedelee.....	Cleveland
Roger Luther Rutter.....	Angola, Ind.
Harvey Bernard Schiff.....	Cleveland

\* Two degrees

Larry Ray Shelquist.....	Galion
Clarence Mitchell Smith.....	Columbus
Eugene Franklin Stluka.....	Columbus
Frederick Ernest Thomas.....	Bryan
Frederick Humphreys Thomas.....	Columbus
Leyshon Williams Townsend, Jr.....	Wintersville
Roger Elliot Vaught.....	Canton
David Balharie Wood.....	Grand Rapids, Mich.
Kenneth Wade Zellers.....	Hartville

(Thirty-eight candidates)

#### **Bachelor of Metallurgical Engineering**

John Thomas Cammett III (cum laude).....	Mason
Joseph Dwight Cox.....	Columbus
Terry Lee Davis (summa cum laude).....	Worthington
Frederick Bruce Knox.....	Warren
Richard Bruce Reese.....	Jamestown
James Earl Reinoehl (cum laude).....	Massillon
Donald Allen Turner.....	Shaker Heights

(Seven candidates)

#### **Bachelor of Engineering in Mining**

Jon Micheal Cassady.....	East Fultonham
*Charles Perry Johnson, Jr.....	Tiffin

(Two candidates)

#### **Bachelor of Science in Physics**

Charles Dunbar Bean.....	Wood River, Ill.
Dale Leroy Ford (cum laude).....	Norwalk
Keith Loren Jordan.....	Rocky River
Edward Arthur Madson.....	Cleveland
Jerry David Smith (summa cum laude).....	Bowling Green
John William Snyder.....	Hagerstown, Md.
Paul William Solomon.....	Lorain
*William Samuel Steiner.....	Toledo
Frederick James Tomazic.....	Lorain
Richard Merrill Winegarner.....	Worthington

(Ten candidates)

#### **Bachelor of Welding Engineering**

*Jay Weir Bulaw.....	Barrington, Ill.
Robert William Schultz.....	Elyria
David Paul Silver.....	Oak Park, Ill.

(Three candidates)

### **SCHOOL OF ARCHITECTURE AND LANDSCAPE ARCHITECTURE**

#### **Bachelor of Architecture**

George Woodfield Acock, Jr.....	Newark
Jon Douglas Boyes.....	Columbus
Robert Wright Brantingham.....	Winona
William Michael Dittoe, Jr.....	Columbus
Dimitrios Economides.....	Dayton
Thomas Jude Eyerman.....	Columbus

\* Two degrees

Elmore Ivan Fowlie.....	Hilliard
John Charles Frazier.....	Canton
Charles Edward Hamilton.....	Toronto, Ont., Canada
John Charles Hayes.....	Portsmouth
Richard James Johns.....	Springfield
Dietmar Otto Wilhelm Knodt.....	Marburg, Germany
Thomas Roger Koenig.....	Rocky River
Paul William Lantz.....	Mansfield
David Evan Lawver.....	Fairborn
John Hauck Luscombe.....	Toledo
Thomas Dale Meister.....	Canton
Clark Baker Morgan, Jr.....	Columbus
Paul James Mullin.....	Columbus
Joseph Robert Nagy.....	Sunbury
Irwin Sanford Parisky.....	Toledo
Stephen Keese Raitch.....	Huntsville, Ala.
Harold Edward Rettstatt.....	Delta
Charles Albert Rullán, Jr.....	New York, N. Y.
Douglas Lowry Sarbach.....	Hinckley
Thomas Owen Schnell.....	Oregon
James Charles Snyder.....	Dayton
Patrick Joe Ullmark (cum laude).....	Columbus
Robert Nathan Wandel.....	Columbus
Jack Allen Yearick.....	Columbus

(Thirty candidates)

#### **Bachelor of Landscape Architecture**

Herbert Fredrick Plapp.....	Wapakoneta
Douglas Allen Strang.....	Columbus

(Two candidates)

# COLLEGE OF LAW

Dean: FRANK R. STRONG

## Juris Doctor

Carl Joseph Bachmann, Jr., B.A. (Kent State University).....Barberton  
Jacob Erastus Davis II, A.B. (Princeton University).....Cincinnati  
Thomas Vincent Martin, B.A. (University of Notre Dame).....Columbus  
Sidney Nudelman, B.Sc. in Bus. Adm.....Shaker Heights  
Marvin Robert Pliskin, B.Sc. in Bus. Adm.....Akron  
Larry Jack Van Fossen, B.B.A. (University of Cincinnati).....Sidney  
Sarah Ann Smith Velman, B.B.A. (University of Michigan); M.A.  
Columbus

(Seven candidates)

## Bachelor of Laws

Thomas William Archibald, A.B. (Denison University).....Lakewood  
John Jacob Basnett, Jr., B.Sc.....St. Clairsville  
Langdon David Bell, A.B. (Miami University).....Parma Heights  
James Elijah Birt, B.Sc. in Bus. Adm.....Dayton  
David Henry Bodiker, A.B. (Harvard College).....Dayton  
John Trimble Brook, A.B. (Allegheny College).....Belpre  
Anthony John Cantagallo, A.B. (Ohio University).....Ashtabula  
Barbara Jucius Cantagallo, A.B. (Denison University).....Columbus  
David Poston Carlin, A.B. (Princeton University).....Columbus  
Edward Geoffrey Clapham, A.B. (Dartmouth College).....Columbus  
Norman Ted Crout, B.Sc. in Bus. Adm.....Columbus  
Arthur B. Cunningham, B.S. (Purdue University).....New Philadelphia  
Raymond Wade Eaton, A.B. (Ohio Northern University).....Lima  
Norman Mayer Frank, B.S. (Purdue University).....Canton  
Carol Cecilia Gordon, B.A.....Cleveland  
William Barnum Gore, B.S.C. (Ohio University).....Akron  
Charles Richard Gregg, B.Sc. in Bus. Adm.....Zanesville  
Michael Bernerd Hendler, B.A. (University of Akron).....Canton  
David Lee Hobson, B.A. (Ohio Wesleyan University).....Cincinnati  
Robert James Holland, B.A. (Yale University).....Dayton  
Elden James Hopple, B.A. (Bowling Green State University)

North Olmsted

Edward Gary Kagels, B.S. in Bus. Adm. (Bowling Green State University)

Parma

James Stewart Kaiser, B.S. in Ind. Mgt. (Georgia Institute of Technology)

Athalia

Ronald Harvey Katila, B.Sc. in Bus. Adm.....Fairport Harbor

Anthony R. Kidd, B.A. (Ohio Wesleyan University).....Marysville

Clincy McAvoid Latimer, Jr., B.Sc.....Columbus

Lance Nicholas Lazo, B.A. (C.W. Post College of Long Island University)

Gahanna

Franklin Charles Lewis, A.B. (Western Reserve University)

University Heights

John Douglas Liber, B.S.Agr. (Purdue University).....Alliance

Wesley John MacAdam, B.A. (Kenyon College).....Galion

William Henry Macbeth, A.B. (University of Dayton).....Dayton

Edmund Thomas Maguire, A.B. (Dartmouth College).....Columbus

James Paul Miller, B.S.C. (Ohio University).....Columbus

John Lawrence Miller, A.B. (Harvard College).....Akron

Stephen Michael Miller, B.Sc. in Bus. Adm.....Columbus

Gerald Anthony Mollica, B.A.....Mansfield

James Donald Newcomer, B.S. in Bus. (Miami University).....Fostoria  
 Richard Lawrence Robison, B.Sc. in Bus. Adm.....London  
 Paul Herbert Roskoph, B.Sc. in Bus. Adm.....Shaker Heights  
 Karlton James Rothgeb, A.B. (Wheaton College).....Fostoria  
 Lawrence Richard Schlote, B.A.....Canton  
 Elva Eugene Smith, B.S.M.E. (Ohio University).....Zanesville  
 John Thomas Stahl, A.B. (Miami University).....Fremont  
 Frank Earl Steel, Jr., B.B.A. (Saint Bonaventure University).....Akron  
 Roger Wahlquist Tracy, B.S. in Bus. (Miami University).....Columbus  
 George Pete Tsarnas, B.A. (University of Akron).....Akron  
 Frank John Uvena, A.B. (Ohio University).....Ashtabula  
 Harold William Van Wagenen, Jr., A.B. (Denison University)..Brecksville  
 James Joseph Walsh, B.S. (University of Dayton).....Portsmouth  
 Phillip Megahan Walther, B.A.....Columbus  
 John William Weaner, B.S. in Bus. (Miami University).....Defiance  
 Jon Allen Ziegler, B.B.A. (Tulane University).....Columbus

(Fifty-two candidates)



# COLLEGE OF MEDICINE

Dean: RICHARD L. MEILING

## Doctor of Medicine

James Rex Abel, B.A.....	McConnelsville
William Robert Adron, B.A. (University of Akron); M.Sc.....	Akron
Lawrence Eugene Arnold, B.S. (University of Dayton)	
(summa cum laude).....	Zanesville
Spencer Fred August, A.B. (Columbia University).....	Dayton
Barbara Lee Avren, B.A.....	Columbus
Victor Edwin Badertscher, B.S. (Capital University) (cum laude)	
	Worthington
Lillibeth Baltz, A.B. (College of Saint Mary of the Springs).....	Columbus
Glenn Paul Beck, B.S. (Baldwin-Wallace College).....	Berea
John William Bell II, A.B. (Western Reserve University).....	Wauseon
Chester Arthur Bennett, Jr., A.B. (Ohio University).....	Dover
John Baxter Beyer, B.S. (Baldwin-Wallace College).....	Berea
Norman Frank Bley, B.A.....	East Cleveland
John Francis Bodie, B.S. (University of Toledo).....	Toledo
Delbert Lowell Booher, B.Sc.....	Laura
Thomas Robert Brownlee, B.Sc.....	Columbus
Robert Burman Buchholz, A.B. (Duke University).....	Perrysburg
Constance Louise Burden, B.S. (Marygrove College); M.S. in Med.Tech.	
(Wayne State University).....	Wapakoneta
James Hudson Caldwell, B.Sc.....	Shadyside
Roger Sherman Case, B.S. (Wilmington College).....	Sabina
Peter Jon Casper, A.B. (Miami University).....	New Waterford
Robert James Chapman, A.B. (Oberlin College).....	Columbus
Larry Sanford Charme, B.A. (cum laude).....	Dayton
Dale Edward Cloyd, B.Sc.....	Cedarville
Ronald Warner Coen, B.A. (Northwestern University).....	Marion
Jon Herbert Cooperrider, B.S. (Capital University).....	Johnstown
Frank Ralph Coschignano, B.S. in Pharm. (Ohio Northern University)	
	Findlay
Richard Anthony Crocco, B.Sc.....	Cleveland
Allen Dale Damschroder, B.Sc.....	Gibsonburg
Frank William Deanovic, B.Sc.....	Cleveland Heights
*Robert Nicholas Di Simone, B.Sc. (cum laude).....	Canton
A. Willard Emch, B.S. (Capital University).....	Woodville
Gregor Kreul Emmert, A.B. (Miami University).....	Toledo
Dean Doering Ersig, B.S. (University of Toledo).....	Toledo
Charles John Everett, B.A. (Athenaeum of Ohio).....	Sandusky
George Wesley Facer, B.Sc.....	Millbury
Edward Charles Farkas, B.S. (University of Dayton).....	Dayton
Randall Lee Finken, B.Sc. in Agr.....	Port Clinton
Florence Lenahan Fletcher, B.Sc. in H.E.....	Columbus
Robert George Fletcher, B.Sc.....	Columbus
John Harrison Flora, B.A. (Ashland College) (cum laude).....	Ashland
Marjorie Lou Forman, B.Sc. (cum laude).....	Cincinnati
Howard Thomas Fox.....	Logan
Richard Joseph Freedman, A.B. (Western Reserve University)	
	Cleveland Heights
Robert Emerson French, B.A. (Ohio Wesleyan University).....	Groveport
Robert Paul Friedman, B.S. (University of Toledo).....	Indianapolis, Ind.
Lawton Carl Gerlinger, Jr., B.A.....	Fostoria

\* Two degrees



Edward Clement Reno, B.S. (John Carroll University).....	Canton
Ted Emmons Robertson, B.S. (University of Akron).....	Akron
Robert Edgar Rusmiselle, A.B. (Carson-Newman College)	Huntington, W. Va.
Verners Rutenbergs, Jr., A.B. (Western Reserve University)	Cleveland Heights
Frank Taylor Sargent, B.A. (Ohio Wesleyan University).....	Dayton
Clifford Teofil Sarnacki, A.B. (Western Reserve University).....	Cleveland
George Anthony Sawaya, B.Sc.....	Dayton
William Carl Schoene, B.S. (Capital University).....	Columbus
William Max Schreiber, A.B. (Harvard University).....	Wooster
Joseph George Sever, B.S. (University of Dayton).....	Washington C. H.
Robert Allan Shaw, B.A. (Ohio Wesleyan University).....	Fostoria
Robert Leroy Sido, B.S. (University of Toledo).....	Toledo
Alan Gerald Silverman, A.B. (Western Reserve University); B.Sc. in Phar.....	Columbus
Jack Sheldon Sizer, B.Sc.....	Middletown
Dale Joseph Smith, B.S. (University of Dayton).....	Dayton
Darrell Dean Smith, B.Sc.....	Washington C. H.
Frederick William Smith, B.Sc.....	Marion
John Herbert Smith, B.Sc.....	Defiance
Quentin James Spittler, B.Sc.....	Garfield Heights
Edward Joseph Starinchak, B.S. (Denison University).....	Campbell
Forde Ronald Steele, B.Sc.....	Chagrin Falls
David Ellis Stinchcomb, B.Sc.....	Lakewood
Earl E. Sunderhaus, B.Sc. in Bus. Adm.; M.B.A. (University of Michigan)	Cincinnati
Francis Albert Sunseri, B.S. (University of Notre Dame).....	Steubenville
Myron Earl Thomas, B.A. (Ohio Wesleyan University).....	Marion
Richard Kenneth Thompson, B.Sc. in Phar.....	Elyria
John Dunster Tidymen, Jr., B.S. (University of Akron).....	Akron
Harry Spencer Turner, B.A. (Manchester College) (summa cum laude)	Dayton
Kenneth Michael Urban, B.A.....	Fairport Harbor
Aarolyn Marie Visintine, B.Sc.....	London
John Hales Vorbau, B.S. (University of Toledo).....	Toledo
Dennis Stuart Weiner, B.S. (Baldwin-Wallace College).....	Akron
Nancy Jane Welsh, B.Sc. (cum laude).....	Columbus
*Thomas Edwards Williams, Jr., A.B. (Princeton University) (cum laude).....	Portsmouth
*Harold Francis Young.....	Republic

(One hundred and thirty-four candidates)

## SCHOOL OF NURSING

### Bachelor of Science in Nursing

Janice Polly Alvord.....	Middlefield
Karen Ada Bahmer.....	Coshocton
Margaret Ann Baldwin.....	Springfield
Patricia Genevieve Bandzak.....	Hubbard
Marilyn Jean Barthelmas.....	Circleville
Carol Jeanne Bellis.....	Delphos
Paula Cotton Borton.....	Athens
Audrey Irene Bullock.....	Poland

\* Two degrees

Peggy Sue Busch.....	Marietta
Janice Elizabeth Clark.....	Dayton
Jo Ann Coward.....	North Baltimore
Dianne Fleming Cowie.....	Youngstown
Judith Lynn Crawford.....	Cadiz
Janet Carol Dierker.....	Akron
Kay Elizabeth Dunnick.....	Tipp City
Joyce Earl.....	Columbus
Mary Sue Eickmeyer.....	Englewood
Marilyn Charlotte Ensley.....	Dayton
Carol Joy Farber.....	Barberton
Lois Anne Fey.....	Tiffin
Judith Ellen Filipek.....	Berea
Linda Ann Garrison.....	Lima
Kay Adaire George.....	Massillon
Ann Gerlinger.....	Fostoria
Mary Kathryn Gigax.....	Toledo
Marilyn Jean Glandon.....	Columbus
Claudette Ann Greene.....	Columbus
Linda Sue Haefer.....	Bucyrus
Nancy Jean Hagenlocher.....	North Canton
Barbara Lynne Hahne.....	Cortland
Kathryn Ann Harman.....	Springfield
Linda Lee Harold.....	Columbus
Joyce Elaine Harris.....	Philo
Carol Ann Heck.....	Columbus
Sue Eileen Heidenreich.....	Cincinnati
Martha Ann Herron.....	Carrollton
Sarah Louise Hess.....	Lima
Jane Pittenger Heyduk.....	Crestline
Karen Kay Hisrich.....	Stone Creek
Linda Harris Hoover.....	Warren
Marilyn Mae Householder.....	Delaware
Sandra Lee Howells.....	Bay Village
Lynne Joan Huffman.....	North Olmsted
Carole Frances Jacobson.....	Alton, Ill.
Lou Smith Johnson.....	Ashtabula
Janet Arlene Jones.....	Lisbon
Frances Jean Joy.....	Girard
Carol Ann Kalinowski.....	Maple Heights
Carol Converse Karrer.....	Plain City
Lois Petersen Karshuk.....	Port Clinton
Sharon Frances Komives.....	Columbus
Judith Ann Kuivinen (cum laude).....	Mt. Vernon
Lorna Jean Lange (summa cum laude).....	Parma Heights
Patricia Ann Lannan.....	Mansfield
Mary Linda Lewis.....	Ironton
Sarah Elizabeth Lewis.....	Ravenna
Linda Carol LiBrize.....	Cincinnati
Janet Cline Lundstrom.....	Newark
Nancy Lee Lutman.....	Lima
Joyce Elaine Lutz.....	Washington C. H.
Nadine Ruppel Mains.....	Cleveland
Willie Anne Mayer.....	Lakewood
Jane Anne McDaniel.....	Worthington
Mary Ann Price Meier.....	Mansfield
Joyce Alyce Montgomery.....	Steubenville

Margot Esther Moorhead.....	Pickerington
Suzanne Lee Mortimer.....	Akron
Janice Rich Niesz.....	Senecaville
Peggy Sue Osborn.....	Stryker
Barbara Kay Park.....	Coshocton
Mary Beth Patterson (cum laude).....	Millersburg
Susan Giokaris Patzakis.....	Lima
Sharon Kay Preston (cum laude).....	Gallipolis
Marianne Robbins.....	Cleveland
Lynne Adele Roberts (cum laude).....	Sunbury
Elizabeth Howland Shearman.....	Worthington
Melinda Roberta Skaggs.....	Marysville
Marla Espenschied Smith.....	Dover
Mary Martha Smith.....	Circleville
Louise Snyder (summa cum laude).....	Springfield
Patsy Lou Snyder.....	North Canton
Marlene Ann Stihler.....	Toledo
Janet Lee Stolle.....	Greenville
Nancy Cranmer Thomas (summa cum laude).....	Zanesville
Veretta Marie Tunis.....	Ashtabula
Anita Lucille Ulrikson.....	Zanesville
Nancy Jo Van Horn.....	Jackson Center
Mary Ann Vess.....	Mt. Vernon
Christine Phoebe Wagner.....	Chagrin Falls
Carol Lee Wamsley.....	Winchester
Shalmir Adele Watson.....	Newark
Carol Ann Wehr.....	North Lima
Carole Annette Weiler.....	Circleville
Elaine Alma Wells.....	Barberton
Susan Ellen Wells.....	Springfield
Kay Gibson Whitehead.....	Zanesville
Sidne Ann Whitehead.....	Middletown
Nancy Sue Wichterman.....	Athens
Wanda Lou Williamson.....	Grove City, Pa.
Lyn Marie Wingate.....	Genoa
Grace Susan Winger.....	Mt. Vernon
Nanette Woodworth.....	Athens
Susan Jane Youngen.....	Kettering
Carol Sue Zeis.....	Westfield, N. J.
Deborah Ann Zeller.....	Greenville
Suzanne Cunningham Zucker.....	Grove City

(One hundred and six candidates)

# COLLEGE OF PHARMACY

Dean: LLOYD M. PARKS

## Bachelor of Science in Pharmacy

Daniel Dale Adams, Jr.	Newcomerstown
Rosemary Roberta Berardi	Campbell
Dana Brooke	Cincinnati
James William Buderer	Sandusky
Gary Stephen Chappell (summa cum laude)	Edison
Earl Paul Chin	Cleveland
Jon Eugene Desguin, B.Mus. (Capital University)	Worthington
Stanley Laryn Dolinger	Columbus
Gary Alan Edwards	Shadyside
Jerry Clarence Elswick	Ironton
Robert Edward Fiut	Cleveland
Richard Alan Gallimore	Marion
Robert Richard Garbe, Jr.	Toledo
David Joe George	Columbus
Mildred Decker Gordon	Dover
Oliver Martin Hackett	Lakewood
Merle Oran Heldman	Zanesville
Barry Ronald Herschman	Cleveland
Edward Crouch Jordan, B.S. (University of Dayton)	Columbus
Leon David Kessel	Columbus
Joseph Edward Knapp (with Distinction in Pharmacy)	Columbus
Rita Catharine Kunkler	Columbus
Salvatore Carl La Cerva	Girard
Charles Kenneth Lambert, A.B. (West Virginia University)	Mt. Vernon
Sue Johnston Lawler	Dresden
John William Leckwatch	Parma Heights
Roberta Marie Mack	Spencerville
Patrick Erving Melragon	Columbus
Forest Ray Miller	Navarre
Ronald Allen Miller	Cleveland
John Molnar-Suhajda	Columbus
Richard Moulton Mora	Cleveland Heights
Dean Alan Pflaumer	New Carlisle
Robert George Reichert, B.Sc.	Mt. Vernon
Thomas Alan Rudy (cum laude)	Columbus
Roger Harold Schindler, B.A. (Kent State University)	Bedford
Leo Edward Smith	Willard
Otto Minor Thomas, B.Sc.	Cincinnati
Jean Miller Weaver	Wintersville

(Thirty-nine candidates)

# COLLEGE OF VETERINARY MEDICINE

Dean: WALTER R. KRILL

## Doctor of Veterinary Medicine

David Lewis Allen.....	Sabina
William Ray Arters, B.Sc. in Agr.....	Chatham
Carl Thomas Baker, B.S.Agr. (West Virginia University)	Morgantown, W. Va.
David Harold Berliner.....	Great Neck, N. Y.
Nancy Ann Blanchard.....	Columbus
Richard Paul Bokanyi.....	Cuyahoga Falls
Irwin Homer Bollinger, Jr.....	Cincinnati
Garnard Jay Boner, B.Sc. in Agr.....	Johnstown
Ann Bowers.....	Spring Valley
Patrick Tracey Breen.....	Cincinnati
Marcia Catharine Brown.....	Avon Lake
Walter John Christopher.....	Bowling Green
Frederick Lynn Denton, B.Sc. in Agr.....	Youngstown
Lloyd Sanderson Early, Jr.....	Shaker Heights
Joe Thomas Fergus.....	St. Paris
Alfred Alexander Flynn, Jr.....	Cleveland Heights
David Lamborn Fox, B.Sc. in Agr.....	Loveland
Stephen Barton Gaw.....	Celina
Paul Metz Gordon.....	Bay Village
Larry Taylor Grubbs.....	Columbus
Jack Edgar Hathaway (cum laude).....	Mentor
Jack Martin Heinemann, A.B. (Miami University); B.Sc. in Agr.	Cincinnati
Joseph Walter Henry, Jr.....	Cincinnati
James Lee Henschen.....	St. Marys
George William Hess, Jr.....	Morgantown, W. Va.
Dwight Emerson Hillman, B.Sc. in Agr.....	Franklin Furnace
*John Hamilton Howard.....	Cincinnati
*James Edward Hugenberg.....	Cincinnati
Charles Marvin Hyde, Jr., B.Sc. in Agr.....	Ashtabula
David King Hysell.....	Minersville
Robert Lee Jackson.....	Louisville
Joe Mark Judy.....	Germantown
Gary Korsgaard, B.Sc. in Agr.....	Bay Village
Raymond Armond Krajewski, B.Sc.....	Brecksville
Alvin Glen Kron, B.Sc.....	Cincinnati
John Anthony LaBelle, B.S. in Ag. (University of Vermont); M.Sc.	Saratoga Springs, N. Y.
Lowell Pierson Lambert.....	Hamilton
David Byron Lippert.....	Winchester
*Roger Keith McInturf.....	Athens
Thomas Wotring Moore.....	Wooster
Thomas Herbert Mouat.....	Dayton
Charles A. Neer.....	Quincy
George DeWitt Norris, B.Sc. in Agr.....	Plain City
Eugene Arthur Novy.....	South Euclid
John George Orthoefer, B.Sc.....	Gahanna
Gary Lee Pearson.....	Fremont
William Thomas Perry.....	Maumee
Robert Harlan Rainier, B.Sc. in Agr.....	Lancaster

\* Two degrees

Arthur Leonard Sandler, B.S. (Boston College) .....	Dorchester, Mass.
Ted Norman Schobert .....	Columbia Station
Lester Max Schwab, B.Sc. in Agr. ....	Cincinnati
Thomas Michael Schwartz .....	Ravenna
*Allan Dean Sexton .....	Cedarville
Carol Dillon Sexton .....	St. Marys, W. Va.
John Allen Shaddock (cum laude) .....	Middlefield
Larry Dain Sharp, B.Sc. in Agr. ....	Greenville
John Howard Shelton .....	Huntersville, W. Va.
Charles Robert Short .....	Maple Heights
Larry Lee Stackhouse .....	North Manchester, Ind.
Roger Burton Thompson (summa cum laude) .....	LaGrange
Gerald Fredric Toms .....	Bellville
*Cletus Michael Vonderwell .....	Delphos
Mervin Waldman .....	Warren
*Dale Dwight Walther .....	Deshler
Roger Ray Ward, B.Sc. in Agr. ....	Marion
James John Weickert .....	Cincinnati
*Donald Eugene Welsh .....	Zanesville
Lauren Gene Wolfe (cum laude) .....	Kenton
Milton Wyman (summa cum laude) .....	Columbus

(Sixty-nine candidates)

\* Two degrees



THE OHIO STATE UNIVERSITY  
OFFICIAL PROCEEDINGS OF THE  
NINE HUNDRED AND EIGHTY-FIRST MEETING  
OF THE BOARD OF TRUSTEES

Columbus, Ohio, June 14, 1963

The Board of Trustees met at its regular monthly meeting on Friday, June 14, 1963, at The Ohio State University, Columbus, Ohio, pursuant to adjournment.

Present: Thomas F. Patton, Chairman, Smith L. Rairdon, Alan B. Loop, Jacob E. Davis, John W. Bricker, and Carlton S. Dargusch.

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The minutes of the last meeting were approved.

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President Fawcett presented the following recommendations:

I. GENERAL RECOMMENDATIONS

A. Revision of Rule 35.07 - Rules for the University Faculty

Upon the recommendation of the Graduate Council, the Faculty Council on May 14, 1963 approved the following proposed changes in Rule 35.07:

1. That the first sentence of Rule 35.07 be amended to read as follows:

The official marks of the University are as follows:

A, B, C, D, E, I, P, R, S, T, X, Em, and K.

(The letter "S" immediately following the letter "R" is added.)

2. That the following paragraph be added immediately following the "R-Audit" paragraph of Rule 35.07:

S--Satisfactory. This mark shall be used as a final mark only for (a) a graduate student who has completed satisfactorily his thesis or dissertation research, or (b) a graduate student who has completed satisfactorily a special problem or minor problem course in which the instructor works directly with the individual graduate student. A graduate student in such research or problem course who does not complete his work satisfactorily shall receive the mark of E. S credit shall be counted as hours only and shall not be considered in determining the graduate student's point-hour ratio under Faculty Rule 37.05.

It is therefore recommended that the above proposed changes in Rule 35.07 as approved by the Faculty Council be and hereby are adopted to become effective Autumn Quarter 1963.

Upon motion of Mr. Davis, seconded by Mr. Rairdon, the above recommendation was unanimously approved by roll call vote.

B. Honorary Degrees

The Faculty Council on May 14, 1963 recommended that the honorary degree, Doctor of Humane Letters, be conferred on:

Clarence Dewey Laylin  
Robert Bingham Downs

and that the honorary degree, Doctor of Science, be conferred on:

Karl Terzaghi

• June 14, 1963 meeting, Board of Trustees

I. GENERAL RECOMMENDATIONS (continued)

B. Honorary Degrees (continued)

It is therefore recommended that the Board of Trustees approve the Faculty Council recommendation and that these degrees be awarded at a Commencement Convocation during the academic year 1963-64.

Upon motion of Mr. Davis, seconded by Mr. Bricker, the above recommendation was unanimously approved by roll call vote.

C. Change in Title of the Degree, Master of Business Administration with a Major in Accounting to Master of Accounting (M. Acc.)

Since the American Association of Collegiate Schools of Business restricts the degree, Master of Business Administration (M. B. A. ), to designate a management-oriented degree program, the Department of Accounting has proposed that the title of the degree, Master of Business Administration with a major in Accounting, presently awarded by The Ohio State University, be changed to the degree, Master of Accounting (M. Acc. ).

This proposal has the unanimous support of the Graduate Council, the Council on Instruction, and was approved by the Faculty Council on May 14, 1963.

It is recommended that the title of the degree "Master of Business Administration" with a major in Accounting be changed to "Master of Accounting (M. Acc. )," effective Autumn Quarter 1963.

Upon motion of Mr. Rairdon, seconded by Mr. Loop, the above recommendation was unanimously approved by roll call vote.

D. Student Fees

As a result of a very careful analysis of the fiscal resources available to the University for the 1963-1965 biennium, it is concluded that an advance of student fees is necessary if the University is to (1) avoid a drop in the quality of its educational program, (2) remain in a competitive position in its attempt to retain and recruit faculty and staff, and (3) retain its proper position in the fee structure among Ohio's tax-assisted institutions of higher education.

It is recommended that effective Autumn Quarter 1963 student fees be increased \$15.00 per Quarter for Ohio resident students and \$30.00 per Quarter for non-resident students. It is further recommended that in the College of Law, student fees be increased an additional \$6.00 per Quarter all of which is to be applied to the Law Library Fee Account. All of the increase in student fees, except the increase in the Law Library Fee, shall be deposited in the Incidental Fee Account and be used for support of the personal services budget. The new schedule of student fees shall be as indicated below.

I. GENERAL RECOMMENDATIONS (continued)

D. Student Fees (continued)

<u>College or School</u>	<u>Fees for Resident Students Per Quarter</u>	<u>Fees for Non-Resident Students Per Quarter</u>
Agriculture and Home Economics	\$125	\$290
Arts and Sciences	125	290
Commerce and Administration	125	290
Education	125	290
Engineering	125	290
Graduate School	125	290
School of Nursing	125	290
School of Optometry	162	327
Dentistry	245	410
Dental Hygiene and Dental Laboratory Technology	172	337
Law	153	318
Medicine	245	410
Pharmacy	130	295
Veterinary Medicine	165	330

All other fees as set forth by the action of the Board of Trustees at its meeting on April 6, 1962 shall remain unchanged except (a) Undergraduate courses at the branch campuses shall be increased from \$12.00 to \$14.00 per credit hour, and (b) Graduate courses taught off-campus shall be advanced from \$18.00 to \$21.00 per credit hour.

Upon motion of Mr. Rairdon, seconded by Mr. Loop, the above recommendation to increase fees, effective Autumn Quarter 1963 was unanimously approved by roll call vote, and a detailed schedule of student fees as approved above is included in the minutes of this meeting as Appendix VI, page 512.

Before taking the above action the Board of Trustees spent considerable time in discussing the various implications which increased fees might have upon the basic purposes for a state-assisted institution of higher learning. Mr. Davis concurred with President Fawcett in the regret that it is necessary to increase student fees at this time. Mr. Davis expressed disappointment that sufficient funds from state appropriations are not available for State Universities. However, he conceded that the above recommended increases in fees appear to be the only solution to the problem of financing the educational programs of this University. Mr. Loop raised a question concerning the level of non-resident fees for the professional colleges which have not reached a maximum capacity in student enrollment.

In conclusion the Board of Trustees requested the appropriate administrative officers of the University to make a study of the effect increased non-resident student fees has on the enrollment of out-of-state students in the College of Law. The Board requested further that a careful analysis be made of all student fees assessed by selected private and public colleges and universities in Ohio and the Nation.

• June 14, 1963 meeting, Board of Trustees

I. GENERAL RECOMMENDATIONS (continued)

E. Naming of First Academic Building on the Dayton Campus of the Miami University and The Ohio State University

Despite The Ohio State University's policy that buildings and structures shall not be named after living persons, it has seemed to be appropriate and fitting to name the first academic building to be constructed on the Dayton Campus of Miami University and The Ohio State University "Allyn Hall" in recognition of the creative and effective leadership of Mr. Stanley C. Allyn. Mr. Allyn has been the central figure in the development of the Dayton Campus and this action has been strongly supported by the Dayton Community; therefore, as President the following recommendation is presented with great pleasure:

That the Board of Trustees ratify the action that the first academic building to be constructed on the Dayton Campus of Miami University and The Ohio State University shall be named "Allyn Hall." This action has been endorsed by six members of the Board of Trustees through an informal poll.

The Board of Trustees of Miami University has previously approved this action as recommended above. The ground-breaking ceremonies for construction of the first academic building were held on May 31, 1963 and the announcement that the building be identified as "Allyn Hall" was made at that time.

Upon motion of Mr. Bricker, seconded by Mr. Davis, the Board of Trustees by unanimous roll call vote ratified the action authorizing the name of "Allyn Hall" for the first academic building to be constructed on the Dayton Campus of Miami University and The Ohio State University. The Chairman, Mr. Patton, added "This is a very fitting recognition of the fine work done by Mr. Allyn."

F. Deactivation of the Institute for Perinatal Studies

The Institute for Perinatal Studies was organized as an interdisciplinary unit in 1960 upon the recommendation of the Council on Research and the approval by the Board of Trustees at its November 11, 1960 meeting. However, a re-evaluation of the program of the Institute has led to the request that the Institute be deactivated with the understanding that all funds, activities, and personnel of the Institute shall be assigned to the College of Medicine for administration and operation. This request has the endorsement of the co-directors of the Institute, Dr. John C. Ullery and Dr. Earl H. Baxter, and the Dean of the College of Medicine, Dr. Richard L. Meiling. The request was approved by the Council on Research on April 11, 1963 and by the Faculty Council on May 14, 1963.

It is therefore recommended that the Institute for Perinatal Studies be deactivated effective June 30, 1963.

Upon motion of Mr. Davis, seconded by Mr. Rairdon, the above recommendation was unanimously approved.

I. GENERAL RECOMMENDATIONS (continued)

G. Budgets for the 1963-64 Fiscal Year

The following budgets, including ranks, titles, and salaries, as set forth in the "Salary Roll" are hereby recommended for approval subject to legislative approval of the level of support as designated in lines 685 through 888 and lines 990 through 1005 of Amended H.B. 711 as passed by the House of Representatives.

1. The Ohio State University annual personnel budget from appropriated general revenue funds, student fees, Morrill Fund, and unrestricted funds, in the amount of \$30,434,972.00, for the fiscal year beginning July 1, 1963.

Upon motion of Mr. Davis, seconded by Mr. Rairdon, The Ohio State University personnel budget was unanimously approved by roll call vote, and the Secretary was instructed to file the "Salary Roll" detailing this budget with the official records of the University.

2. The University Hospital annual personnel budget from appropriated general revenue funds and Hospital Rotaries in the amount of \$8,466,288.00, for the fiscal year beginning July 1, 1963.

Upon motion of Mr. Bricker, seconded by Mr. Loop, the University Hospital personnel budget was unanimously approved by roll call vote, and the Secretary was instructed to file the "Salary Roll" detailing this budget with the official records of the University.

3. Agricultural Extension Service annual personnel budget from appropriated State and Federal Funds and Extension Rotaries in the amount of \$3,468,502.00, for the fiscal year beginning July 1, 1963.

Upon motion of Mr. Davis, seconded by Mr. Loop, the Agricultural Extension Service personnel budget was unanimously approved by roll call vote, and the Secretary was instructed to file the "Salary Roll" detailing this budget with the official records of the University.

4. The Ohio State University Research Foundation annual operating budget in an amount not to exceed \$563,648.00, for the fiscal year beginning July 1, 1963. This budget was approved by the Board of Directors of The Ohio State University Research Foundation at its annual meeting on April 19, 1963.

Upon motion of Mr. Loop, seconded by Mr. Rairdon, The Ohio State University Research Foundation operating budget was unanimously approved by roll call vote.

5. The Department of Athletics annual operating budget in an amount not to exceed \$1,955,311.00, for the fiscal year beginning July 1, 1963. This budget was approved by the Athletic Council at its regular meeting on May 23, 1963.

Upon motion of Mr. Bricker, seconded by Mr. Davis, the Department of Athletics operating budget was unanimously approved by roll call vote.

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- June 14, 1963 meeting, Board of Trustees

## II. PERSONNEL CHANGES

It is recommended that all personnel changes since the May 17, 1963 meeting of this Board, as recorded in the official "Salary Roll" of the University, be approved by the Board. These changes include the following Promotions in Administrative Positions, Appointments, Leaves of Absence With Salary, Leaves of Absence Without Salary, Emeritus Titles, Promotions in Academic Rank, and Reappointment of Department Chairmen and Directors of Schools.

### A. Promotions in Administrative Positions

Bill R. Moeckel from Director of the Defense Management Center to Assistant Dean and Director, Continuing Education, College of Commerce and Administration, effective July 1, 1963, at a salary of \$18,168.00 per annum.

Robert S. Platt, Jr. from Assistant Professor, Department of Botany and Plant Pathology, to Assistant Dean (part time - 50%), Graduate School, effective October 1, 1963, at a salary of \$6,804.00 per annum.

Torrence A. Makley from Professor and Acting Chairman to Professor and Chairman, Department of Ophthalmology, effective July 1, 1963, at a salary of \$13,668.00 per annum.

William H. Saunders from Professor and Acting Chairman to Professor and Chairman, Department of Otolaryngology, effective July 1, 1963, at a salary of \$11,928.00 per annum.

Bernard Marks from Professor, Department of Physiological Chemistry and Pharmacology, to Professor and Acting Chairman of the newly created Department of Pharmacology, effective July 1, 1963, at a salary of \$14,388.00 per annum.

Ernest W. Johnson from Associate Professor, Department of Medicine, to Associate Professor and Chairman of the newly created Department of Physical Medicine, effective July 1, 1963, at a salary of \$9,168.00 per annum.

E. V. Turner, Associate Professor, Department of Pediatrics, to Associate Professor and Acting Chairman, Department of Pediatrics, effective July 1, 1963, at a salary of \$18,168.00 per annum.

Lester O. Gilmore from Professor (part time - 12%), Department of Dairy Science, to Professor and Acting Chairman (part time - 12%), Department of Dairy Science, effective July 1, 1963, at a salary of \$1,596.00 per annum. (Professor Gilmore is jointly employed with the Ohio Agricultural Experiment Station.)

II. PERSONNEL CHANGES (continued)

B. Appointments

Lawrence Krader, Professor, Slavic Languages and Literatures, effective October 1, 1963, at a salary of \$14,268.00 per annum.

Ivan C. Rutledge, Professor, College of Law, effective October 1, 1963, at a salary of \$16,068.00 per annum.

C. Leaves of Absence With Salary

In accordance with the policy approved by the Board of Trustees on April 12, 1954, the following-named persons are recommended for Leaves of Absence With Salary from the Agricultural Extension Service for the period indicated:

Charles I. Archer, Instructor (County Extension Agent, 4-H) Muskingum County, June 16, 1963 through July 31, 1963, to study at the National 4-H Club Center.

G. Wayne Burkhart, Instructor (County Extension Agent, Agricultural) Knox County, June 16, 1963 through December 15, 1963, to study at The Ohio State University.

William B. Phillips, Instructor (County Extension Agent, Agriculture) Mahoning County, June 16, 1963 through July 31, 1963, to study at The Ohio State University.

D. Leaves of Absence Without Salary

Robert F. Baker, Professor, Civil Engineering, July 1, 1963 through June 30, 1964, to serve as Director of Research for United States Bureau of Public Roads.

Perry E. Borchers, Professor, School of Architecture and Landscape Architecture, October 1, 1963 through September 30, 1964, to be a National Science Foundation Faculty Fellow at the Wennergren Center, Stockholm, Sweden.

Elwyn G. Davies, Professor, College of Law, October 1, 1963 through September 30, 1964, due to ill health.

Paul E. Fertig, Professor and Chairman, Accounting, January 1, 1964 through June 30, 1964, to accept a Visiting Professorship at Stanford University.

Jules B. LaPidus, Associate Professor, College of Pharmacy, July 1, 1963 through August 31, 1963, to work on a research project for the Upjohn Company, Kalamazoo, Michigan.



June 14, 1963 meeting, Board of Trustees

## II. PERSONNEL CHANGES (continued)

### D. Leaves of Absence Without Salary (continued)

Everett M. Rogers, Associate Professor (Leader Resource Development) (part time - 50%), Agricultural Extension Service, July 1, 1963 through June 30, 1964, to serve as Fulbright Lecturer at Facultad de Sociologia, Universidad Nacional de Colombia, Bogota, Colombia.

William W. Van Alstyne, Associate Professor, College of Law, January 1, 1964 through June 30, 1964, to teach at Duke University.

Lloyd C. Parks, Assistant Professor, English, January 1, 1964 through September 30, 1964, to accept a Fulbright grant to France.

Rosamond England, Instructor, English, October 1, 1963 through September 30, 1964, to accept a Fulbright appointment.

Julia A. Shank, Instructor (County Extension Agent, Home Economics), Agricultural Extension Service, June 16, 1963 through December 31, 1963, to study at Pennsylvania State University.

Frances Shapiro, Instructor, English, October 1, 1963 through September 30, 1964, for personal reasons.

John Y. Simon, Instructor, History, October 1, 1963 through September 30, 1964, to continue as Executive Director of the Ulysses S. Grant Association in the Ohio State Museum.

Eldon C. Schriner, Extension Instructor (County Extension Agent, 4-H), Darke County, Agricultural Extension Service, June 16, 1963 through June 15, 1964, to study at The Ohio State University.

Charles L. Tipton, Instructor, History, October 1, 1963 through September 30, 1964, to accept a Fulbright grant for research and study in Europe.

### E. Emeritus Titles

Lloyd E. Harris, College of Pharmacy, with the title Professor Emeritus, effective October 1, 1963.

Fordyce Ely, Dairy Science, with the title Professor Emeritus, effective July 1, 1963.

Norman D. Lattin, College of Law, with the title Professor Emeritus, effective October 1, 1963.

II. PERSONNEL CHANGES (continued)

E. Emeritus Titles (continued)

George I. Nelson, Medicine, with the title Professor Emeritus, effective July 1, 1963.

Michael Peppe, Physical Education for Men, with the title Professor Emeritus, effective July 1, 1963.

Eugene H. Roseboom, History, with the title Professor Emeritus, effective July 1, 1963.

Virginia S. Sanderson, Psychology, with the title Professor Emeritus, effective July 1, 1963.

Robert O. Chadeayne, School of Art, with the title Associate Professor Emeritus, effective October 1, 1963.

Edward N. Cook, College of Dentistry, with the title Assistant Professor Emeritus, effective July 1, 1963. (Corrected from October 1, 1963 as reported May 17, 1963.)

Lloyd B. Fidler, Agricultural Education, with the title Assistant Professor Emeritus, effective July 1, 1963.

F. Promotions in Academic Rank

(Effective October 1, 1963 unless marked with \* which indicates effective July 1, 1963)

College of Agriculture and Home Economics

To Professor

- \*Stanley R. Anderson (Agronomy)
- \*T. Kristoffersen (Dairy Technology)
- \*Robert W. McCormick (Agricultural Extension Service) and (Agricultural Education)
- \*Willard C. Myser (Zoology and Entomology)
- \*Edward C. Naber (Poultry Science)
- \*Dale A. Ray (Agronomy)
- \*Austin E. Ritchie (Agricultural Education)

To Associate Professor

- \*Bond L. Bible (Agricultural Economics and Rural Sociology)
- John L. Crites (Zoology and Entomology)
- \*Burk A. DeHority (Animal Science)
- \*Gilbert S. Guiler (Agricultural Education)
- \*Donald J. Hoff (Agronomy)
- \*Ronald R. Johnson (Animal Science)

II. PERSONNEL CHANGES (continued)

F. Promotions in Academic Rank (continued)

College of Agriculture and Home Economics (continued)

To Associate Professor (continued)

- \*Frederick I. Jones (Agricultural Extension Service)
- \*Warren L. Roller (Agricultural Engineering)
- \*Charles A. Triplehorn (Zoology and Entomology)

To Assistant Professor

- \*Howard A. Hartley (Dairy Technology)
- Bruce W. Marion (Agricultural Economics and Rural Sociology)
- \*George R. Wilson (Animal Science)

College of Arts and Sciences

To Professor

- Daryle H. Busch (Chemistry)
- Hershel Hausman (Physics)
- Ruth B. Irwin (Speech)
- James E. Lynch (Speech)
- \*Richard C. Nelson (Physics)
- Frank J. Pegues (History)
- K. Narahari Rao (Physics)

To Associate Professor

- William L. Boyd (Microbiology)
- Justin W. Collat (Chemistry)
- Ulrich A. Groenke (German)
- Julian H. Markels (English)
- A. E. Wallace Maurer (English)
- Walter E. Mitchell, Jr. (Astronomy)
- \*Ivan I. Mueller (Geodetic Science)
- John W. Riner (Mathematics)
- John C. Rule (History)
- William S. Wang (East Asian Program)
- Mary E. Young (History)

To Assistant Professor

- Wallace E. Anderson (Philosophy)
- Richard T. Barnes (Mathematics)
- Jonathan Baumbach (English)
- Morris Beja (English)
- Lee Brown (Philosophy)
- Lee Sheridan Cox (English)
- Nancy M. Dasher (English)

II. PERSONNEL CHANGES (continued)

F. Promotions in Academic Rank (continued)

College of Arts and Sciences (continued)

To Assistant Professor (continued)

Jesse B. Eskridge (Optometry)  
Richard L. Gunter (English)  
David L. Harbert (Philosophy)  
Thyra B. Kabealo (English)  
Lyle H. Lanier, Jr. (Mathematics)  
Irvin L. Lynn (Mathematics)  
Robert E. Mitchell (Romance Languages)  
Andrew Oldenquist (Philosophy)  
Paul J. Olscamp (Philosophy)  
Martha Passe (English)  
Frances Shapiro (English)  
Francis C. Tang (Mathematics)  
Harold E. Toliver (English)  
Joan Webber (English)

College of Commerce and Administration

To Professor

Simon Dinitz (Sociology and Anthropology)  
Elzy V. McCollough (Accounting)  
\*Byron E. Munson (Sociology and Anthropology)  
John K. Pfahl (Business Organization)  
Frances Quantius (Economics)

To Associate Professor

Daniel O. Fletcher (Economics)  
Jimmie L. Heskett (Business Organization)  
Saad Z. Nagi (Sociology and Anthropology)  
George P. Patten (Geography)  
Enrico L. Quarantelli (Sociology and Anthropology)

To Assistant Professor

Frederick A. Zeller (Economics)

College of Dentistry

To Professor

\*Consuelo Wise  
Julian B. Woelfel

II. PERSONNEL CHANGES (continued)

F. Promotions in Academic Rank (continued)

College of Dentistry (continued)

To Associate Professor

Alfred C. Long, Jr.  
Harry H. Postle  
Robert R. Taylor

To Assistant Professor

James B. Boucher  
Richard O. Dagefoerde  
Noel W. Hiatt  
Jack R. Parrish  
Frank C. Starr, Jr.  
Jerald P. Starr  
Craig C. Walton

College of Education

To Professor

\*Jack Culbertson (Education)  
C. Gratton Kemp (Education)  
Gertrude C. Kuehefuhs (School of Music)  
Bernard Mehl (Education)  
F. R. Schlessinger (Education)

To Associate Professor

David E. Black (School of Art)  
David W. Ecker (School of Art)  
James C. Naylor (Psychology)  
H. Wayne Ramsey (School of Music)  
Anthony C. Riccio (Education)  
George H. Wilson (School of Music)

To Assistant Professor

\*Robert A. Barnes (School of Music)  
Richard G. Suddendorf (School of Music)  
Robert E. White (University School)

College of Engineering

To Professor

Hsien Ching Ko (Electrical Engineering)  
Curt A. Levis (Electrical Engineering)  
Israel Stollman (Architecture)  
Fairfax E. Watkins (Engineering Drawing)

II. PERSONNEL CHANGES (continued)

F. Promotions in Academic Rank (continued)

College of Engineering (continued)

To Associate Professor

John Bacon (Electrical Engineering)  
Ernest O. Doebelin (Mechanical Engineering)  
Robert L. Frantz (Metallurgical Engineering)  
James C. Gilfert (Electrical Engineering)  
Kenneth G. Hornung (Mechanical Engineering)  
Edward Kennaugh (Electrical Engineering)  
Charles W. McClarnan (Mechanical Engineering)  
William H. Peake (Electrical Engineering)  
Leon Peters, Jr. (Electrical Engineering)

To Assistant Professor

Robert A. Barnes (Engineering Mechanics)  
Arthur C. Erdman (Electrical Engineering)  
James G. Root (Industrial Engineering)

College of Law

To Professor

\*Paul L. Selby

College of Medicine

To Professor

\*David G. Cornwell (Physiological Chemistry)

To Associate Professor

\*Keith E. Richardson (Physiological Chemistry)

To Assistant Professor

\*Charles Billings, Jr. (Preventive Medicine)  
\*Leopold F. Buerger (Pathology)  
\*Grant W. Gwinup (Medicine)  
\*Albert Humbertson (Anatomy)  
\*Alice R. Polcyn (Nursing)  
\*William T. Sawyer (Otolaryngology)  
\*Thomas D. Stevenson (Pathology)  
\*Aivests L. Vecozols (Psychiatry)  
\*Beth L. Wismar (Anatomy)

II. PERSONNEL CHANGES (continued)

F. Promotions in Academic Rank (continued)

College of Pharmacy

To Professor

\*Jack L. Beal

To Associate Professor

\*Jules B. LaPidus

College of Veterinary Medicine

To Professor

\*Edward F. Donovan (Veterinary Medicine)

To Associate Professor

\*James C. Donham (Veterinary Medicine)

\*Albert A. Gabel (Veterinary Surgery)

\*Thomas E. Powers (Veterinary Physiology and Pharmacology)

\*William J. Roenick (Veterinary Surgery)

\*Robert G. Whiteus (Veterinary Medicine)

To Assistant Professor

\*Marion W. Scothorn (Veterinary Parasitology)

Instruction Division

To Associate Professor

\*Celianna I. Wilson (Library)

To Assistant Professor

\*John DeGara (Library)

\*Elizabeth Jenkins (Library)

\*Betty J. Meyer (Library)

Special Services Division

To Professor

Phebe M. Scott (Physical Education - Women)

Mary M. Yost (Physical Education - Women)

June 14, 1963 meeting, Board of Trustees

## II. PERSONNEL CHANGES (continued)

### F. Promotions in Academic Rank (continued)

#### Special Services Division (continued)

##### To Associate Professor

Phyllis J. Bailey (Physical Education - Women)  
Virginia Crofts (Physical Education - Women)  
Ann Nolte (Physical Education - Women)  
Suzanne E. Schroeder (Physical Education - Women)

### G. Reappointment of Department Chairmen and Directors of Schools

<u>Department or School</u>	<u>Chairman or Director</u>	<u>Reappointed to</u>
Accounting	Paul E. Fertig	June 30, 1967
School of Art	Jerome J. Hausman	June 30, 1967
School of Music	Henry A. Bruinsma	June 30, 1967
School of Nursing	Mildred Newton	June 30, 1967
Pathology	Emmerich von Haam	June 30, 1967
Radiology	Sidney W. Nelson	June 30, 1967
Psychiatry	Ralph Patterson	June 30, 1967
School of Social Work	Everett Shimp	June 30, 1967
Veterinary Parasitology	Fleetwood R. Koutz	June 30, 1967
Veterinary Physiology and Pharmacology	Charles R. Smith	June 30, 1967
(Acting Chairman)		
Agricultural Biochemistry	F. E. Deatherage	Indefinite
Chemistry	Frank H. Verhoek	June 30, 1964
Geodetic Science	Edward Q. Moulton	June 30, 1964
Physiology	Robert Grubbs	June 30, 1964

Upon motion of Mr. Davis, seconded by Mr. Rairdon, the Promotions in Administrative Positions, Appointments, Leaves of Absence With Salary, Leaves of Absence Without Salary, Emeritus Titles, Promotions in Academic Rank, Reappointment of Department Chairmen and Directors of Schools, and the personnel changes were unanimously approved by roll call vote, and the Secretary was instructed to file these changes in the "Salary Roll" with the official documents of the University.

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## III. GENERAL CONTRACTS AND AGREEMENTS

### A. The Ohio State University and The Ohio State University Research Foundation

In accordance with the Memorandum of Agreement between The Ohio State University and The Ohio State University Research Foundation approved by this Board on September 5, 1950, it is recommended that the research agreements for the following projects administered through the Research Foundation be approved and recorded in the minutes of this meeting.



III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

1. Government Contracts - Federal

- a. U. S. Atomic Energy Commission, Chicago Operations Office, 9800 South Cass Avenue, Argonne, Illinois, for an Investigation of Temperature Measurement of Solid Particles Within a Fluidized System (to be known as U. S. Atomic Energy Commission Project No. 929 - Sup. #2 - Department of Chemical Engineering).  
Gross Value - \$2,500.00.
- b. Department of Health, Education and Welfare, Public Health Service, Bureau of State Services, Washington 25, D. C., for an Investigation of Chemical Factors in Host Plant Selection by Insects (to be known as Bureau of State Services Project No. 1088 - Ext. #3 - College of Pharmacy).  
Gross Value - \$13,185.00.
- c. Department of Health, Education and Welfare, Public Health Service, Washington 25, D. C., To Train Cytotechnologists (to be known as Public Health Service Project No. 1154 - Ext. #3 - Department of Pathology).  
Gross Value - \$26,657.00.
- d. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Effect of Hypoglycemic Agents on Cell Metabolism (to be known as National Institutes of Health Project No. 1158 - Ext. #3 - Department of Medicine).  
Gross Value - \$18,147.00.
- e. Headquarters, Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, for Research on Etch Pit Investigation of Iron Whiskers (to be known as Aeronautical Systems Division Project No. 1262 - Mod. #6 - Engineering Experiment Station).  
Gross Value - \$24,722.00.
- f. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Characterization of Milk Lipases (to be known as National Institutes of Health Project No. 1263 - Ext. #2 - Department of Dairy Technology).  
Gross Value - \$5,941.00.
- g. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Milk Protein Changes at Elevated Temperatures (to be known as National Institutes of Health Project No. 1264 - Ext. #2 - Department of Dairy Technology and Chemistry).  
Gross Value - \$17,199.00.

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

- h. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Modified "Runt" Disease in the Chick Embryo (to be known as National Institutes of Health Project No. 1273 - Sup. dtd. 5/14/63 - Department of Pathology).  
Gross Value - \$4,700.00.
- i. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of the Professionalization of Dental Students (to be known as National Institutes of Health Project No. 1283 - Ext. #2 - Department of Sociology and Anthropology).  
Gross Value - \$15,218.00.
- j. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Isolation and Identification of  $RH_o(D)$  Antigen (to be known as National Institutes of Health Project No. 1299 - Ext. #2 - Department of Microbiology).  
Gross Value - \$31,942.00.
- k. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for Improving Competence of Nursing Faculty in Research (to be known as National Institutes of Health Project No. 1384 - Ext. #1 - School of Nursing).  
Gross Value - \$29,457.00.
- l. Headquarters, Rome Air Development Center, Griffiss Air Force Base, New York, for an Investigation of Application of Electromagnetic Absorbing Materials as Interference Reduction Techniques (to be known as Rome Air Development Center Project No. 1423 - Mod. #3 - Department of Electrical Engineering).  
Gross Value - \$6,022.00.
- m. Headquarters, Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, for Research Studies on the Fluid Dynamics of High Enthalphy Flow (to be known as Aeronautical Systems Division Project No. 1427 - Mod. #4 - Department of Aeronautical and Astronautical Engineering).  
Gross Value - \$30,000.00.
- n. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for a Study of the Sulfide-to-Sulfate Reaction Mechanism (to be known as National Institutes of Health Project No. 1442 - Ext. #1 - Engineering Experiment Station).  
Gross Value - \$20,360.00.

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

- o. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Variability in Driving Performance on the Highway (to be known as National Institutes of Health Project No. 1450 - Ext. #1 - Engineering Experiment Station).  
Gross Value - \$38,092.00.
- p. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Distribution and Metabolism of Labeled Digitaloids (to be known as National Institutes of Health Project No. 1451 - Ext. #1 - Department of Physiological Chemistry).  
Gross Value - \$16,189.00.
- q. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of the Diatoms of the West End of Lake Erie (to be known as National Institutes of Health Project No. 1464 - Ext. #1 - Department of Botany).  
Gross Value - \$9,540.00.
- r. Department of the Navy, Office of Naval Research, Washington 25, D. C., for Research on Mandarin Phonology (to be known as Office of Naval Research Project No. 1465 - Amend. #4 - Department of English).  
Gross Value - \$4,751.00.
- s. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Postoperative Recovery Mechanisms and Retention (to be known as National Institutes of Health Project No. 1470 - Ext. #1 - Department of Psychology).  
Gross Value - \$19,238.00.
- t. Headquarters, Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, for Technical Services to Provide Intermittent Research Analysis on Materials and Associated Problems (to be known as Aeronautical Systems Division Project No. 1473 - Mod. #2 - RF Internal Supervision).  
Gross Value - \$100,700.00.
- u. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Neuroendocrine Integration in a Simple Organism (to be known as National Institutes of Health Project No. 1622 - New - Department of Psychiatry).  
Gross Value - \$12,751.00.

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

- v. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for Electronic Computed Programming in Psychiatric Research (to be known as National Institutes of Health Project No. 1623 - New - Department of Psychiatry).  
Gross Value - \$65,100.00.
- w. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Functional Morphology in the Aging Nervous System (to be known as National Institutes of Health Project No. 1624 - New - Department of Psychiatry).  
Gross Value - \$12,321.00.
- x. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Behavior as Dependent Upon Prenatal Treatments (to be known as National Institutes of Health Project No. 1625 - New - Department of Psychiatry).  
Gross Value - \$2,715.00.
- y. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Pharmacologic Effects Upon Single Nerve Cell Systems (to be known as National Institutes of Health Project No. 1626 - New - Department of Psychiatry).  
Gross Value - \$5,936.00.
- z. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Home Versus Hospital Care for Schizophrenics (to be known as National Institutes of Health Project No. 1629 - New - Department of Psychiatry).  
Gross Value - \$111,738.00.
- aa. Department of the Navy, Office of Naval Research, Washington 25, D. C., The Development of a Methodology for the Analysis of Complex Man-Machine Systems (to be known as Office of Naval Research Project No. 1643 - New - Engineering Experiment Station).  
Gross Value - \$10,000.00.
- bb. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Appointment Breaking in a Pediatric Clinic (to be known as National Institutes of Health Project No. 1644 - New - Children's Hospital).  
Gross Value - \$12,817.00.

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

- cc. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of CO<sub>2</sub> Transients Associated with Hyperventilation (to be known as National Institutes of Health Project No. 1647 - New - Department of Physiology).  
Gross Value - \$26,863.00.
- dd. Headquarters, Rome Air Development Center, Griffiss Air Force Base, New York, for Research on Display Variables (to be known as Rome Air Development Center Project No. 1648 - New - Department of Psychology).  
Gross Value - \$34,041.00.
- ee. National Science Foundation, Washington 25, D. C., for an Investigation of Glacial Geology of the Kaskawulsh Glacier Area, Yukon Territory (to be known as National Science Foundation Project No. 1649 - New - Institute of Polar Studies).  
Gross Value - \$6,500.00.
- ff. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Conformational Aspects of Drug Action (to be known as National Institutes of Health Project No. 1650 - New - College of Pharmacy).  
Gross Value - \$11,100.00.
- gg. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of the Nurse-Monitor in a Patient-Care System (to be known as National Institutes of Health Project No. 1651 - New - Engineering Experiment Station).  
Gross Value - \$42,206.00.
- hh. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for A Cross-Cultural Study of Dissociational States (to be known as National Institutes of Health Project No. 1652 - New - Department of Sociology and Anthropology).  
Gross Value - \$21,342.00.
- ii. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Psychotropic Drugs and Phenotypical Behaviors (to be known as National Institutes of Health Project No. 1653 - New - College of Pharmacy).  
Gross Value - \$5,565.00.

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

1. Government Contracts - Federal (continued)

- jj. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Chemical Characterization of Tyrosinase (to be known as National Institutes of Health Project No. 1654 - New - Department of Physiological Chemistry and Pharmacology).  
Gross Value - \$15,076.00.
- kk. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for an Investigation of Work Inhibition and Motivation in Learning (to be known as National Institutes of Health Project No. 1656 - New - Department of Psychiatry).  
Gross Value - \$21,137.00.
- ll. Headquarters, Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, for Research on Hypersonic Aerothermodynamics Simulation in Rarefied Flows (to be known as Aeronautical Systems Division Project No. 1657 - New - Department of Aeronautical and Astronautical Engineering).  
Gross Value - \$79,872.00.
- mm. National Science Foundation, Washington 25, D. C., for an Investigation of Igneous-Metamorphic Geology of the Tasersiaq Area, Southwest Greenland (to be known as National Science Foundation Project No. 1658 - New - Institute of Polar Studies).  
Gross Value - \$9,700.00.
- nn. Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, for An Experimental Demonstration and Evaluation Project (to be known as National Institutes of Health Project No. 1659 - New - Department of Sociology and Anthropology).  
Gross Value - \$60,212.00.
- oo. National Science Foundation, Washington 25, D. C., for an Investigation of Almost Periodic Functions and Difference Properties on Topological Groups (to be known as National Science Foundation Project No. 1660 - New - Department of Mathematics).  
Gross Value - \$4,500.00.
- pp. Deputy for Procurement, Air Force Missile Development Center, P. O. Box 393, Holloman Air Force Base, New Mexico, for a Study of Body Fluid and Kidney Physiology of the Chimpanzee (to be known as Air Force Missile Development Center Project No. 1661 - New - Department of Veterinary Physiology and Pharmacology).  
Gross Value - \$25,302.00.

TOTAL - Government Contracts - Federal \$1,031,354.00

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

2. Industrial and Other Contracts

- a. The Petroleum Research Fund, American Chemical Society, 1155 Sixteenth Street, N.W., Washington 6, D. C., for an Investigation of the Chemistry of the Pleiadene System (to be known as The Petroleum Research Fund Project No. 1131 - Ext. #1 - Department of Chemistry).  
Gross Value - \$18,300.00.
- b. American Cancer Society, Inc., 521 West 57th Street, New York 19, New York, for an Investigation of Tissue Culture Techniques as Applied to Hodgkin's Disease, Lymphomas and Leukemias (to be known as American Cancer Society Project No. 1161 - Ext. #2 - Department of Medicine).  
Gross Value - \$13,362.00.
- c. American Heart Association, Inc., 44 East 23rd Street, New York 10, New York, for an Investigation of Influence of Curtailment of Blood Supply to the Adrenal on Its Hormone Production (to be known as American Heart Association Project No. 1477 - Ext. #1 - Department of Physiology).  
Gross Value - \$13,200.00.
- d. American Cancer Society, Inc., 521 West 57th Street, New York 19, New York, for Investigation of the Chemotherapy of Heterotransplanted Human Tumors (to be known as American Cancer Society Project No. 1645 - New - Department of Obstetrics and Gynecology).  
Gross Value - \$11,887.00.
- e. The Rockefeller Foundation, 111 West 50th Street, New York 20, New York, for an Investigation of Fungal Synthesis of Microbial Protein (to be known as The Rockefeller Foundation Project No. 1646 - New - Department of Botany and Plant Pathology).  
Gross Value - \$10,000.00.
- f. The Population Council, 230 Park Avenue, New York 17, New York, for an Investigation of Errors in the 1960 Census Enumeration of Native Whites, by Single Years of Age and Sex (to be known as The Population Council Project No. 1655 - New - Department of Sociology and Anthropology).  
Gross Value - \$3,060.00.

TOTAL - Industrial and Other Contracts \$69,809.00

III. GENERAL CONTRACTS AND AGREEMENTS (continued)

A. The Ohio State University and  
The Ohio State University Research Foundation

2. Industrial and Other Contracts (continued)

The foregoing forty-eight contracts for research in cooperation with Government, Industry and Other represent a gross income of \$1,101,163.00.

Upon motion of Mr. Loop, seconded by Mr. Davis, the research agreements between The Ohio State University and The Ohio State University Research Foundation for the above contracts were unanimously approved.

B. The Report of the Research Contract  
from the Engineering Experiment Station

During the period from May 4, 1963 through May 31, 1963, the Engineering Experiment Station of The Ohio State University entered into the following research contract. This research contract is reported to the Board of Trustees for information and record.

1. Industrial Research Contract

EES 158	Interfacial Tension Between Liquid Iron and Slag, American
Ext. #4	Iron and Steel Institute, New York, New York.
	Gross Value - \$25,200.00.

C. Athletic Department - Concession Contract

It is recommended that the President and the Vice President, Business and Finance, be authorized to sign a contract with the Berlo Vending Company, 333 South Broad Street, Philadelphia, Pennsylvania, in behalf of the University to provide all necessary refreshments within the Ohio Stadium, the St. John Arena, the Thomas E. French Field House, and the Baseball Park, or at any other place where an athletic contest or other event is held under the auspices of the University upon its premises and for which such services are requested by duly authorized University officials.

The Berlo Vending Company shall pay to the University 30 per cent of the gross sales from the total operation of their business on The Ohio State University campus. The term of the contract is to be for a period of three years with a re-opening each year to negotiate the per cent return to the University and the price schedules, with full right of the University to terminate the contract if agreement cannot be reached.

The Berlo Vending Company shall make available to the Vice President, Business and Finance, or his designee, its books and records and shall provide a duly certified statement of gross sales for each year and the computation of monies due the University.



III. GENERAL CONTRACTS AND AGREEMENTS (continued)

C. Athletic Department - Concession Contract (continued)

The aforementioned President and Vice President, Business and Finance, are instructed to include in the contract all the necessary safeguards for quality performance of services and adequacy of equipment.

Upon motion of Mr. Rairdon, seconded by Mr. Bricker, the above recommendation was unanimously approved by roll call vote.

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IV. GRANTS AND GIFTS

The following grants and gifts to the University, including the establishment of certain endowment funds, are hereby reported for the record and appropriate expression of appreciation has been conveyed:

A. Administered Through the Office of Business and Finance

1. \$384,800.00 granted by the National Science Foundation to the University for support of the "Construction of Facilities for Graduate Level Research in Electrical Engineering," under the direction of Professor E. E. Dreese, Chairman of the Department of Electrical Engineering, for a period of approximately two years. (Grant GU-124)
2. \$39,700.00 granted by the Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, to the University for "Graduate Research Support," under the direction of Dr. Walter R. Krill, College of Veterinary Medicine, for the period January 1, 1963 through December 31, 1963. (Grant 1 SO1-FR-05264-01)
3. \$35,000.00 granted by the Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, to the University for "Undergraduate Training," under the direction of Dr. John R. Wilson, College of Dentistry, for the period July 1, 1963 through June 30, 1964. (Grant 5 T2 DH 5044-02)
4. \$22,680.00 granted by the Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, to the University for a "Graduate Training Program in Biochemistry," under the direction of Dr. F. E. Deatherage, Department of Agricultural Biochemistry, for the period July 1, 1963 through June 30, 1964. (Grant 5 TI GM 513-03 - formerly 2G-513-C2BCH)
5. \$21,105.00 granted by the Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, to the University for a "Development Award," under the direction of Dr. Arnold M. Weissler, Department of Medicine, for the period July 1, 1963 through June 30, 1964. (Grant 5-K3-HE-13,971-03)

IV. GRANTS AND GIFTS (continued)

A. Administered Through the Office of Business and Finance (continued)

6. \$8,478.00 granted by the Department of Health, Education and Welfare, Public Health Service, National Institutes of Health, Bethesda 14, Maryland, to the University for a "Graduate Training Grant," under the direction of Dr. John C. Ullery, Department of Obstetrics and Gynecology, for the period July 1, 1963 through June 30, 1964. (Grant T1 AM 5403-01)

TOTAL - Through the Office of Business and Finance \$511,763.00

B. Received Through the Development Fund

1. \$8,666.00 from the Estate of Margaretta Lumley, deceased, for the Dr. Frederick E. Lumley Memorial Fund.

Dr. Frederick E. Lumley Memorial Fund

The Dr. Frederick E. Lumley Memorial Fund was established May 14, 1963, by a bequest under the Will of Margaretta Lumley in memory of her late husband, Dr. Frederick E. Lumley. The principal is to be invested under rules and regulations adopted by the Board of Trustees of The Ohio State University.

The income is to be used for scholarships in Sociology.

2. \$2,880.00 from Kaiser Aluminum and Chemical Company, Oakland, California, for a fellowship in Mechanical Engineering.
3. \$1,400.00 from The Firestone Tire and Rubber Co., Akron, Ohio, for a fellowship in Chemistry.
4. \$1,250.00 from Dr. H. E. Jacques, Mount Pleasant, Iowa, to be added to the Herbert Osborn Scholarship Fund.
5. \$1,000.00 from Kopper-Smith Foundation, Houston, Texas, for purchase of equipment for the Department of Welding Engineering.
6. \$1,000.00 from The Joseph & Helen Skilken Foundation for the Joseph and Helen Skilken Foundation.

Joseph and Helen Skilken Foundation

The Joseph and Helen Skilken Foundation was established June 4, 1963, by a gift through the Development Fund from The Joseph & Helen Skilken Foundation in memory of Charles and Ethel Skilken, parents of Joseph Skilken. The principal is to be invested in the University's investment portfolio under rules and regulations adopted by the Board of Trustees of The Ohio State University, with right to invest and reinvest as occasion dictates.

June 14, 1963 meeting, Board of Trustees

#### IV. GRANTS AND GIFTS (continued)

##### B. Received Through the Development Fund (continued)

###### 6. Joseph and Helen Skilken Foundation (continued)

The income is to be expended on order of the Board of Trustees of The Ohio State University upon recommendation of the Board of Directors of The Ohio State University Development Fund.

TOTAL - Through the Development Fund \$16,196.00

Upon motion of Mr. Rairdon, seconded by Mr. Davis, the above report of grants and gifts, including the establishment of certain endowment funds, was accepted, and the Secretary was instructed to include the report in the minutes of this meeting.

##### C. Report from The Ohio State University Development Fund

In May, 1963, The Ohio State University Development Fund received gifts on behalf of the University as follows:

	<u>Number of Gifts</u>	<u>Amount</u>
Alumni	1,813	\$ 28,329.22
Individuals, Other Than Alumni	57	828.34
Non-Profit Organizations	28	65,627.71
Business Concerns	9	23,286.44
	<u>1,907</u>	<u>\$118,071.71</u>

Of these gifts, 1,431 totaling \$13,266.40 were undesignated and 476 totaling \$104,805.31 were designated.

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#### V. APPROPRIATION AND TRANSFER OF FUNDS

##### A. The Mershon Fund Restricted Portion--Education in National Security

Based upon the anticipated earnings from the Mershon Fund during 1963-64, the Mershon Committee on Education in National Security under the chairmanship of Associate Dean Robert J. Nordstrom has proposed, with the concurrence of Vice Presidents Heimberger and Garrett, the following budget for 1963-64.

V. APPROPRIATION AND TRANSFER OF FUNDS (continued)

A. The Mershon Fund Restricted Portion--Education in National Security  
(continued)

Budget Request

Support for the Division of Social Sciences in the National Security Program	\$ 91,000.00
National Security Professors	70,800.00
Graduate Institute for World Affairs	25,000.00
Development of Program in Genetics basic to National Security	16,600.00
Public instruction including Conferences and Publications in the interest of National Security	18,700.00
Research Projects	87,744.00
Program Support	<u>15,000.00</u>
Total Operating Budget	\$324,844.00
Less Estimated Balance 1962-63	<u>26,000.00</u>
Total New Appropriation	\$298,844.00

It is hereby recommended that the Board of Trustees approve the budget request and an allocation not to exceed the amounts indicated above with the understanding that expenditures will be approved and administered under the authority of the President and through the offices of the Vice President for Instruction and Dean of Faculties and Vice President for Research, subject to quarterly allotments. It is recommended further that to cover this budget request \$298,844.00 be allocated from the civilian-military portion of the Mershon Fund and that the estimated balance of \$26,000.00 from the 1962-63 budget be reallocated.

Upon motion of Mr. Loop, seconded by Mr. Davis, the above recommendations were unanimously approved by roll call vote.

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VI. EXTRA ORDERS AND EXTENSIONS OF TIME TO CONTRACTS

At the request of the Council on Business Affairs, and with the concurrence of the Cabinet, it is recommended that the Extra Orders to Contracts as outlined below be approved by the Board of Trustees and submitted to the Director of Finance, State of Ohio, for approval and allocation of funds as indicated.

VI. EXTRA ORDERS AND EXTENSIONS OF TIME TO CONTRACTS (continued)

A. Remodeling in Campbell Hall

Air Conditioning Contract

It is recommended that the following changes be made:

1. The concrete steps and wall at the existing door on the south side of the original north wing be cut to ground level and that a new concrete threshold and entrance slab be poured, the existing door frame and trim be extended, the existing pair of doors be lowered and a plywood panel be installed above. Add \$651.00.
2. In Area 315 and Room 313 the existing sheet metal ducts and grilles be revised and provide additional new grilles, diffusers and sheet metal duct work. This work will provide additional office and seminar space. Add \$829.00.

<u>Total Addition</u>	<u>\$1,480.00</u>
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Electrical Contract

It is recommended that in Area 315 and Room 313, remove existing lighting fixtures and reinstall on new acoustic ceiling. Provide additional new fixtures as required to conform to new partition arrangement. No wall outlets included.

<u>Add</u>	<u>\$ 691.00</u>
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Funds will be provided from Item 003 Remodeling in Campbell Hall, S. B. 592.

Upon motion of Mr. Bricker, seconded by Mr. Rairdon, the above recommendation was unanimously approved by roll call vote.

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VII. PLANS AND SPECIFICATIONS

With the approval of the Council on Business Affairs, and with the concurrence of the Cabinet, it is recommended that the plans and specifications, bills of materials and estimates of cost for the following projects be approved by the Board of Trustees:

VII. PLANS AND SPECIFICATIONS (continued)

A. Repairs to Steam Lines and Heating Systems in Four Buildings

This project includes normal repair and maintenance as well as added improvements for building comfort and a reduction in excessive maintenance in WOSU-TV, Dental Building, Brown Hall and Mendenhall Laboratory.

Funds will be provided from B/A 75910 Laundry Rotary.

B. Addition to Antenna Laboratory, Department of Electrical Engineering

This project is an addition to the Antenna Laboratory to provide research facilities for electrical engineering and is the University's share of a matching grant to be received from the National Science Foundation.

Funds will be provided from the University Treasurer Research Subaccount (e).

C. Repairing and Patching a Portion of the Exterior Concrete Surface of the Stadium

These repairs of the surface concrete are necessary because the reinforcing steel was not deep enough in the concrete and moisture therefore caused the steel to rust. As a result, pieces of concrete have loosened and fallen.

Funds will be provided from the Athletic Department Budget.

D. Repairs in Room 136, McPherson Laboratory

This project provides repairs to existing Chemistry laboratory tables, replaces old fume hoods and adds improved room ventilation.

Funds will be provided from B/A 19933, Remodeling McPherson Laboratory.

Upon motion of Mr. Davis, seconded by Mr. Loop, the above recommendation was unanimously approved by roll call vote, and the Secretary was authorized and directed to sign the plans and specifications for the above projects for and on behalf of the Board of Trustees. Vice President Carson was directed to proceed with a request for bids in the normal University manner and if satisfactory bids are received, to proceed with the award of contracts. All actions regarding this matter shall be reported to the Board of Trustees at a later meeting.

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VIII. REPORT OF AWARD OF CONTRACTS

In accordance with authorization provided by the Board of Trustees, the contracts for the following projects have been recommended for award and the action is hereby reported to the Board:

VIII. REPORT OF AWARD OF CONTRACTS (continued)

A. Housing for Metallurgical and Mineralogical Laboratories

Bids were received on June 5, 1963, for this project and the award of contracts recommended to the lowest and best bidders as follows:

	<u>Low Bid</u>	<u>Est. of Cost</u>
<u>General Contract</u>		
(10 bids received)		
James I. Barnes Construction Co. (Springfield, Ohio)		
Base Bid	\$279,970.00	\$351,000.00
Alt. G-1 Site Improvement	2,150.00	2,500.00
Alt. G-2 Marble in Lobby	950.00	1,760.00
Alt. G-3 Stone Carvings	1,000.00	2,400.00
Total General Contract	<u>\$284,070.00</u>	<u>\$357,660.00</u>
<u>Heating, Ventilating and Air</u>		
<u>Conditioning Contract</u>		
(8 bids received)		
Tibbetts Plumbing & Heating Co. (Dayton, Ohio)		
Base Bid	\$182,960.00	\$164,000.00
Alt. HV-1 Increase Capacity of Chiller	3,580.00	10,000.00
Total H, V, and AC Contract	<u>\$186,540.00</u>	<u>\$174,000.00</u>
<u>Plumbing Contract</u>		
(5 bids received)		
Huffman-Wolfe Company (Columbus)		
Base Bid	\$ 89,800.00	\$ 65,000.00
Alt. P-1 Added Equipment Connections	840.00	750.00
Total Plumbing Contract	<u>\$ 90,640.00</u>	<u>\$ 65,750.00</u>
<u>Electrical Contract</u>		
(6 bids received)		
Electrical Contractors, Inc. (Columbus)		
Base Bid	\$107,350.00	\$120,000.00
Alt. E-1 Added Electric for Chiller	970.00	2,000.00
Alt. E-2 Added Electric for Equipment	305.00	600.00
Total Electrical Contract	<u>\$108,625.00</u>	<u>\$122,600.00</u>
<u>Laboratory Equipment Contract</u>		
(3 bids received)		
Hamilton Mfg. Co. (Two Rivers, Wis.)		
Base Bid	\$ 63,968.00	\$ 72,000.00
Alt. Eq-1 Wall Cases & Loose Equip.	28,093.00	40,000.00
Alt. Eq-2 Additional Lab Benches	10,085.00	9,000.00
Total Lab Equipment Contract	<u>\$102,146.00</u>	<u>\$121,000.00</u>
Total All Contracts	<u>\$772,021.00</u>	<u>\$841,010.00</u>

VIII. REPORT OF AWARD OF CONTRACTS (continued)

A. Housing for Metallurgical and Mineralogical Laboratories (continued)

Funds for this project will be provided from H. B. 1123, S. B. 592, the National Science Foundation and an appropriation from the University Treasurer Research Account.

Upon motion of Mr. Bricker, seconded by Mr. Rairdon, the above award of contracts and expenditure of funds were approved and the action of the Vice President, Business and Finance, ratified by unanimous roll call vote.

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IX. CONTROLLING BOARD AND EMERGENCY BOARD APPROVALS

Each numbered approval shown below accomplishes the following purposes:

A. Controlling Board Approvals

- 88      Authorizes an expenditure of \$225.00 from Item 750 Land Purchases, H. B. 1123, to provide for real estate appraisals.
- 90      Authorizes the expenditure of \$11,200.00 from Item 750 Land Purchases, H. B. 1123, to provide funds for the purchase of property located at 180 West Frambes Avenue, Columbus, Ohio.

B. Emergency Board Approval

- 5      Returns the unexpended funds in the amount of \$7,100.00 to the Emergency Board as a result of favorable negotiations for the purchase of property at 229 West Eleventh Avenue, Columbus, Ohio.

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X. MISCELLANEOUS FROM OFFICE OF BUSINESS AND FINANCE

A. Demolition of Buildings

Upon the request of the Vice President, Business and Finance, and with the concurrence of the Cabinet, it is recommended that all buildings located on the following property be demolished as soon as practical:

River Road Cafeteria Building on North Lorain Road  
Power House serving the above cafeteria  
Small shed located immediately southeast of the cafeteria

This demolition will be accomplished in the normal University manner.

Upon motion of Mr. Davis, seconded by Mr. Bricker, the above recommendation was unanimously approved by roll call vote.



X. MISCELLANEOUS FROM OFFICE OF BUSINESS AND FINANCE (continued)

B. Purchase of Buildings and Property, 205 West Frambes Avenue

It is recommended that the Vice President, Business and Finance, be authorized to proceed with the purchase of the following property from Robert W. Johnson at a price of \$9,000.00:

Property known as 205 West Frambes Avenue, being  
Lot No. 91, R. P. Woodruff's Agricultural College  
Addition, City of Columbus, County of Franklin, State  
of Ohio.

Funds are available in Item 750, Land Purchases, H.B. 1123.

Upon motion of Mr. Davis, seconded by Mr. Loop, the above recommendation was unanimously approved by roll call vote.

C. Report of Sale of Property - 194 King Avenue, Columbus, Ohio

It is reported for the record that, in accordance with the authorization provided by the Board of Trustees at its May 17, 1963 meeting, six sealed bids for the purchase of the property located at 194 King Avenue, Columbus, Ohio, were received and opened on June 10, 1963, after proper public advertisement.

After an evaluation of all bids it was deemed by the Vice President for Business and Finance, to be in the best interest of the University to accept the highest and best bid, in the net cash amount of \$27,000.00, and to proceed with the sale and transfer of said property to Mr. Joe D. Humphrey, 31 East 15th Avenue, Columbus, Ohio.

It is therefore recommended that the Board of Trustees ratify the above action as reported.

Upon motion of Mr. Loop, seconded by Mr. Rairdon, the action of Vice President, Business and Finance, to sell the property located at 194 King Avenue, Columbus, Ohio, is hereby ratified by unanimous roll call vote.

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XI. RESOLUTIONS IN MEMORIAM

President Fawcett reported to the Board the deaths of James Leo Mortensen, Professor of Agronomy (Soils), and John W. Wilce, M.D., Clinical Professor Emeritus of Medicine, and in accordance with the instructions of the Board of Trustees copies of the following resolutions expressing on behalf of the University the sorrow and sympathy of the Board have been furnished the families of the deceased.

XI. RESOLUTIONS IN MEMORIAM (continued)

A. James Leo Mortensen

The Board of Trustees expresses its sorrow at the death on May 19, 1963 of James Leo Mortensen, Professor of Agronomy (Soils).

Dr. Mortensen was born in Benson, Arizona, September 23, 1924. He was graduated from high school in Thatcher, Arizona, in 1942 and enlisted in the U. S. Army Air Force in October of that year. He served as a bombardier instructor until his release in 1945. After attending Gila Junior College and Montana State College, he completed the B.S. degree at Brigham Young University in 1951. From September 1951 until October 1953, he was a research assistant with the Ohio Agricultural Experiment Station. He became an instructor of soils at The Ohio State University in 1953, holding that rank until he received the Ph.D. from Ohio State in 1955 at which time he was promoted to assistant professor. He became a full professor in July 1962.

Dr. Mortensen will be remembered for his outstanding work in the use of instrumentation and isotopes for studying the properties of soils and the chemical reactions occurring in the soil, the determination of chemical composition and structure of organic compounds in the soil and their reactions with the inorganic constituents of the soil, and the biological decomposition of organic compounds in the soil. His recent investigations included radioactive constituents of soils and plant tissues. A prolific worker, he had contributed more than 40 publications to the advancement of knowledge of his fields.

Dr. Mortensen was an outstanding teacher of graduate students, working closely with his associates. His passing removes from the ranks of soils personnel an energetic, enthusiastic, and meticulous worker.

Professor Mortensen was a member of numerous professional societies, including the American Society of Agronomy, Soil Science Society of America, International Society of Soil Science, American Chemical Society, American Society for the Advancement of Science, and Geochemical Society. He was a member of Sigma Xi, Phi Kappa Psi, Phi Lambda Upsilon, and Gamma Sigma Delta, and he was listed in "Who's Who in Radiology."

Ordained as a High Priest in the Church of Jesus Christ of Latter Day Saints, Dr. Mortensen had given unstintingly of his time and energy to serve his church. At the time of his death, he was president of the Columbus Stake comprised of eleven congregations. He spent two years on a full-time church mission in Great Britain in 1947-49, and he had been president of the Columbus Branch, presided over the Cincinnati and East Ohio Districts, and acted as a first councilor in the Great Lakes Mission Presidency.

On behalf of the entire University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It is directed that this resolution be inscribed upon the minutes of the Board of Trustees.

XI. RESOLUTIONS IN MEMORIAM (continued)

B. John W. Wilce, M.D.

The Board of Trustees expresses its sorrow at the death on May 17, 1963 of John W. Wilce, Clinical Professor Emeritus of Medicine.

Since 1934, Dr. Wilce had been Professor of Clinical and Preventive Medicine and Director of the University Health Service until his retirement in 1958. Previous to this time, he served as head football coach at The Ohio State University for 16 years, which constituted 45 years of service to The Ohio State University. In 1958 he was appointed Clinical Professor Emeritus in the Department of Medicine.

Dr. Wilce won wide acclaim as a physician after his successful career as a football coach. He joined the staff of The Ohio State University in 1913 at the age of 25 to become the head football coach and Director of Intramural Athletics and Instructor of Physical Education. His rise to fame as the gridiron coach closely paralleled that of the rise of Ohio State football success. During this time, Ohio State's football teams became nationally recognized, and Dr. Wilce won acclaim as one of the game's greatest coaches as well as a place in the Football Hall of Fame. The Buckeyes won three Western Conference championships in 1916, 1917, and 1920. Those who knew him during his days as a football coach would say that in some way Dr. Wilce influenced his life and his future. He was truly a coach who placed fair play above victory. His intense concentration, his earnestness, and his rigid uncompromising code of ethics by which he lived served as a model for all those under his tutelage.

During his years as a football coach he entered the College of Medicine and in off quarters from his coaching, he progressed through this College from which he received his medical degree in 1919. He took postgraduate work at Columbia University, Harvard University, and the National Hospital for Diseases of the Heart in London, England.

During his tenure as Professor of Clinical and Preventive Medicine and Director of the University Health Service, Dr. Wilce authored a number of papers on health, public health, national physical fitness, and the medical aspects of sports. In addition, he conducted original research on the heart as related to athletics. He made a life-long study on the effects of athletic work and stress upon the heart.

His honors were many. In addition to his election to the Football Hall of Fame, Dr. Wilce was a Fellow and Life member of the American College of Physicians, an Emeritus member in the Ohio Academy of General Practice, President (1944) of The Ohio Student Health Association, and Vice President of the American College Health Association in 1954. From 1944 to 1946, he was the representative of the American Medical Association on a national physical fitness committee. He also was a member of the American Heart Association and the Columbus Academy of Medicine. He was active in the Ohio Tuberculosis Society, serving as Executive Board Member from 1929 to 1930 and a Director from 1938 to 1939. He served as President of the Central Ohio Area Council of Boy Scouts for seven years

XI. RESOLUTIONS IN MEMORIAM (continued)

B. John W. Wilce, M.D. (continued)

and received the Boy Scout's highest award, the Silver Beaver. Further attesting to his community and civic leadership, he served as President of the Columbus Rotary Club.

Dr. Wilce was known as a philosophic and religious man, a gentleman, and a man of high purpose and integrity with a wholesome sense of humor. He accepted his obligations throughout his life without protest and his honors with humility. He never sought praise, but his recognition by his fellow man was due to his simple manner, his kindly consideration and a sincere interest in all human beings.

Dr. John W. Wilce will be remembered for his kindness, his honesty, and his love for his fellow man. He commanded respect, while at the same time he attracted friendships which progressed to devotion from his colleagues, his students, and his patients. His leadership through general persuasion, precept, and example will live on inspiring those who knew him well.

On behalf of the entire University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in its loss. It is directed that this resolution be inscribed upon the minutes of the Board of Trustees.

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XII. REPORTS

A. Report from the Retirement and Insurance Committee

1. Amendment #10 to the Major Medical Insurance Policy No. 58175-GTC

Mr. Smith L. Rairdon presented the following recommendation of the Committee on Retirement and Insurance:

It is recommended that the major medical expense insurance program established June 1, 1957 as part of the Group Insurance Plan be amended, effective October 1, 1963 as follows:

(a) that covered medical expense with respect to charges made for treatment of nervous and mental conditions for which the employee is not hospital confined be equal to the first \$500 of such charges and 50 per cent of the remainder of such charges in excess of \$500.

(b) that the limitation of benefits be redefined so as to provide that employees or dependents who do not participate in all coverages of the base plan (Blue Cross and Blue Shield) shall not receive insurance payments which, when combined with payments from the portion of the base plan carried (Blue Cross or Blue Shield) exceed the total covered medical expenses incurred in any period of disability.

XII. REPORTS (continued)

A. Report from the Retirement and Insurance Committee (continued)

1. Amendment #10 to the Major Medical Insurance Policy No. 58175-GTC (continued)

(c) that subdivision (a) of the "Exclusions" be amended to exclude from covered medical expenses examinations or analysis for professional advancement or for Board certification.

It is further recommended that the President be authorized to sign on behalf of The Ohio State University, Amendment 10 to John Hancock Mutual Life Insurance Company Policy No. 58175-GTC. Amendment 10 incorporates the changes enumerated above.

Upon motion of Mr. Rairdon, seconded by Mr. Loop, the Board of Trustees unanimously approved the above recommendation by roll call vote.

B. Report on Investment Portfolio

The report on the University's Investment Portfolio dated May 31, 1963 was presented to the Board of Trustees. The Secretary was instructed to file a copy of the report with the official records of the Board of Trustees.

C. Report on Highlights of Campus Activities

In concluding the meeting, President Fawcett reported that according to figures from Dr. Thompson's office, 1,218 additional people had registered for summer school in 1963 over a comparable date before the beginning of classes in June last year. The enrollment in 1962 was 10,173 during the Summer Quarter, which would indicate an enrollment of over 11,000 for Summer Quarter 1963. President Fawcett reviewed some of the highlights of campus activities during the past month as compiled by the Executive Director, Office of University Relations.

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Thereupon the Board adjourned to meet Friday, July 12, 1963, at the University at ten o'clock.

Attest:

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John T. Mount  
Secretary

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Thomas F. Patton  
Chairman

APPENDIX VI

SCHEDULE OF FEES EFFECTIVE AUTUMN QUARTER 1963

# SCHEDULE OF FEES EFFECTIVE AUTUMN QUARTER 1963

College or School	Incidental Fee	Consolidated Laboratory Fee	Student Services	Student Facilities	Resident Total	Non-Resident Fee	Non-Resident Total
				Fee			
Agriculture and Home Economics	\$ 95	\$ 10	\$10	\$10	\$125	\$165	\$290
Arts and Sciences	95	10	10	10	125	165	290
Commerce and Administration	95	10	10	10	125	165	290
Education	95	10	10	10	125	165	290
Engineering	95	10	10	10	125	165	290
Graduate School	95	10	10	10	125	165	290
School of Nursing	95	10	10	10	125	165	290
School of Optometry	100	42	10	10	162	165	327
Dentistry	100	125	10	10	245	165	410
Dental Hygiene and Dental Laboratory Technology	100	52	10	10	172	165	337
Law	100	33	10	10	153	165	318
Medicine	100	125	10	10	245	165	410
Pharmacy	100	10	10	10	130	165	295
Veterinary Medicine	100	45	10	10	165	165	330

Undergraduate courses at the branch campuses - \$14.00 per credit hour; graduate courses taught off campus - \$21.00 per credit hour. (June 14, 1963)\*

University School - \$70.00 per Quarter. (May 9, 1958)\*

Application Fee - \$5.00 - non-returnable fee assessed all applicants at the time of filing of application for admission to the University. (May 9, 1958)\*

Orientation Fee - \$5.00 - non-returnable fee assessed for new and transfer undergraduate students and paid at the time of registration for the required pre-college counseling and testing conferences. (May 9, 1958)\*

SCHEDULE OF FEES EFFECTIVE AUTUMN QUARTER 1963 (continued)

Matriculation Fee - \$15.00 - non-returnable fee assessed after a student has been admitted to the University and has filed his schedule for the first Quarter of enrollment in the University. (April 6, 1934)\*

Part-time students (six credit hours or less) registration shall be one-half the fees paid by full-time students. Students enrolling for more than six hours shall be assessed full fees. (May 9, 1958)\*

One term of Summer Quarter in the Colleges of Agriculture and Home Economics, Arts and Sciences, Commerce and Administration, Education, Engineering, Graduate School and School of Nursing shall be one-half of the fees paid by full-time students. (May 9, 1958)\*

Penalty for late payment of fees \$5.00 for the first day and \$1.00 for each succeeding day or fraction thereof, unless excused by the Office of the Registrar with a maximum of \$10.00 per Quarter. (February 6, 1959)\*

Penalty for late filing of schedule cards - \$5.00 for the first day and \$1.00 for each succeeding day of delay, with a maximum penalty of \$10.00. (February 6, 1959)\*

Penalty for payment with bad checks - \$5.00 for the first day and \$1.00 for each succeeding day, with a maximum of \$10.00. (July 8, 1960)\*

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\*Date of approval by the Board of Trustees.



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